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ABSTRACT

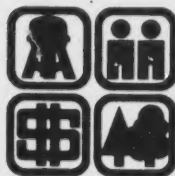
Based on information derived from research resumes of the Cooperative State Research Service of the U.S. Department of Agriculture (USDA), this inventory of rural development research in the Southern States is part of the Southern Rural Development Center's effort to establish a base of knowledge on rural development and to point to gaps in knowledge where research is needed. The action oriented research in this inventory is limited to the following major USDA "rural development" classifications: (1) Community Facilities, (2) People Building, (3) Economic Development, and (4) Environmental Improvement. Minor subareas of each major area are identified via a matrix of research areas. This inventory provides over 200 entries, each of which contains the following information: a major and minor area classification; a matrix number; a project title; an abstract; a project number; the researcher's name; the performing organization's name and address; the performance period (dates); and the key words. (JC)

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Rural Development Research at Land-Grant Institutions in the South

September 1974



SOUTHERN RURAL DEVELOPMENT CENTER

BOX 5406 • MISSISSIPPI STATE UNIVERSITY • MISSISSIPPI STATE, MS 39762

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RC008488

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INTRODUCTION

This inventory of rural development research being done at land-grant institutions in the South is based on information from research resumes of the Cooperative State Research Service of the U.S. Department of Agriculture. Projects included are limited to those classifiable as "rural development" according to USDA's four topical areas:

- Community Facilities
- People Building
- Economic Development
- Environmental Improvement.

The minor subareas of each of these major areas are listed in the matrix on the following pages.

Under the provisions of the Rural Development Act of 1972, rural development research is to be action-oriented. Research in this inventory comes from many disciplines--economics, agriculture, behavioral sciences, for example. The goal of SRDC is to aid in synthesizing this research to establish a base of knowledge for rural development and to point to gaps in knowledge where research is needed.

The research abstracted here is also indexed in the CRIS computerized information system of USDA. Fuller descriptions of projects can be obtained by writing directly to researchers at their institutions; in some cases, final reports of results may be available. The Center does not have copies of reports for distribution.

Although this information is current as of September 1974, additions, deletions, and changes may be necessary. The Center will supply updated pages for this inventory as changes accumulate and more information becomes available. If you are aware of needed changes or additions, please inform the SRDC, Box 5406, Mississippi State, Mississippi 39762, so that this inventory can be kept current and useful.

MATRIX OF RESEARCH AREAS

1.00 COMMUNITY SERVICES AND FACILITIES

- 1.01 Health
- 1.02 Education and Training
- 1.03 Water Systems
- 1.04 Waste Disposal
- 1.05 Recreation
- 1.06 Law Enforcement
- 1.07 Fire Protection
- 1.08 Transportation and Communication
- 1.09 General Community Services
- 1.10 Planning
- 1.11 Housing, Equipment, and Furnishing
- 1.12 Legal Institutions and Legal Services
- 1.13 Financial Services
- 1.14 Operation of Local Government
- 1.15 Miscellaneous and Unclassified

2.00 PEOPLE BUILDING

- 2.01 Human Development
- 2.02 Welfare
- 2.03 Health and Nutrition
- 2.04 Demography
- 2.05 Educational Program Effectiveness
- 2.06 Household Decisions and Management
- 2.07 Community Decision Making
- 2.08 Level of Living and Quality of Life
- 2.09 Public Policy
- 2.10 Sociological Aspects of Small Farming
- 2.11 Miscellaneous and Unclassified

3.00 ECONOMIC DEVELOPMENT

- 3.01 Holding and Attracting Industry
- 3.02 Plant Location
- 3.03 Income and Employment Effects of Rural Industry
- 3.04 Income and Employment Effects of Natural Resource Investment
- 3.05 Alternative Uses of Natural Resources
- 3.06 Rural Recreation Enterprises
- 3.07 Technology for Small Farms
- 3.08 Enterprises for Small and Part-time Farms
- 3.09 Economic Interactions in Rural Areas
- 3.10 Income and Employment Effects of Taxation and Regulations
- 3.11 Miscellaneous and Unclassified

4.00 ENVIRONMENTAL IMPROVEMENT

- 4.01 Conservation
- 4.02 Recreation
- 4.03 Forests and Wildlife
- 4.04 Land Use and Zoning
- 4.05 Beautification
- 4.06 Miscellaneous and Unclassified

RURAL DEVELOPMENT RESEARCH AT LAND-GRANT INSTITUTIONS IN THE SOUTH

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS	PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER			
1.01	Major Area: COMMUNITY SERVICES AND FACILITIES		Minor Area: HEALTH		
1.01	ALTERNATIVE MEDICAL SERVICE DELIVERY SYSTEMS FOR RURAL AREAS IN MISSISSIPPI. To determine the number and location of medical services in rural Mississippi, need for services by low-income rural residents, and economic efficiency of alternative delivery systems. Uses surveys to list existing facilities, professional consultation to evaluate delivery systems. (MISS-4008)		Fred H. Tyner Department of Agricultural Economics Mississippi State University Mississippi State, MS 39762	1/73-12/75	Rural health services, medical services, economic efficiency
1.01	DESIGN AND CRITERIA FOR HEALTH PLANNING SYSTEMS IN RURAL AREAS. Designing a systems model for local comprehensive health planning and evaluating the model, evaluating effectiveness of alternative medical programs. Uses state and local health records and interviews to find cost per patient, effect on morbidity and mortality rates, availability, accessibility, efficiency, responsiveness. (OKLA-1494)		Ivan Hanson Department of Agricultural Economics Oklahoma State University Stillwater, OK 74074	1/71-6/76	Local health planning, medical systems
1.01	FACTORS AFFECTING THE USE OF MEDICAL SERVICES IN RURAL AREAS OF ARKANSAS. To determine access to health services; to measure family financial capabilities, attitudes, and beliefs about medical services; and to determine the kinds and adequacy of community services. Uses county and state institutional reports, grouping counties by sociocultural subregions according to population density. (ARK-747)		J. L. Charlton Department of Agricultural Economics and Rural Sociology University of Arkansas Fayetteville, AR 72701	2/71-6/73	Medical services, financial planning, rural areas

1.01

OPTIMIZING THE SOUTH CAROLINA COMMUNITY HOSPITAL
SYSTEM FOR IMPROVING ACCESS BY RURAL RESIDENTS.

To determine least-cost location for community hospitals. Objectives: (1) to provide a functional framework and techniques for planning, (2) to develop optimal location for number, size and access by rural residents; (3) to evaluate usefulness of location system in terms of improved welfare of rural residents. (SC-004c)

B. L. Dillman

Department of Agricultural
Economics and Rural
Sociology
Clemson University
Clemson, SC 29631

9/72-8/74

Economics,
location,
efficiency,
hospitals

1.02

Major Area: COMMUNITY SERVICES AND FACILITIES

Minor Area: EDUCATION AND TRAINING

1.02

DECISION MODELS FOR SCHOOL FACILITIES
CONSTRUCTION IN NONMETROPOLITAN AREAS OF
NORTH CAROLINA. To develop and demonstrate
the usefulness of decision models to assist
public administrators in choosing optimum
size and location for new and renovated school
facilities. Investigating the relationship
between size of unit and cost of education,
establishing relationships between density
of school population, location of facilities,
and transportation costs; relating quality
of education to total costs. (NC-13326)

R. A. King

Department of Economics
North Carolina State
University
Raleigh, NC 27607

2/71-1/74

School
location,
costs,
decision
models,
transportation

1.02

ECONOMIES OF SCALE IN HIGH SCHOOL FACILITIES.
To establish the relationship between size
and type of school unit and the cost of
providing high school instruction.
(NC-13423)

R. A. King

Department of Economics
North Carolina State
University
Raleigh, NC 27607

2/71-1/74

School,
location,
costs,
decision,
models,
transportation

1.02

FUNDING AND RESOURCE ALLOCATION IN RURAL
KENTUCKY SCHOOLS. To estimate relationship
between educational input and student
performance on standardized tests in
selected rural schools; to determine costs
of attaining various levels of performance;

Kurt R. Anschel

David Holland
Department of Agricultural
Economics
University of Kentucky
Lexington, KY 40506

7/72-6/77

Costs,
revenue,
resources,
educational
achievement

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
1.02	to determine impacts of alternative sources and funding levels on demand for input. (KY-77) RURAL DEVELOPMENT RESEARCH CENTER, PHASE II. To develop and conduct a conference in the social and behavioral sciences. To reproduce proceedings for distribution. Convene SRDC technical advisory committee meeting to evaluate research efforts and prepare 5-year plan. Make demographic data available to participating institutions, help identify support for rural development research. (ALA-X-PR-005-BSLJ60)	L. W. Jones J. Chavis F. Richards Department of Behavioral Sciences Tuskegee Institute Tuskegee, AL 36088	3/73-3/78	Conference, research, evaluation, demographics, USDA	
1.03	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: WATER SYSTEMS			
1.03	COST OF ALTERNATIVE WATER AND SEWERAGE SYSTEMS IN RURAL AREAS OF MISSISSIPPI. To summarize the sources of federal loans and grants and the required procedures for obtaining federal assistance in developing water and sewer systems for communities of less than 5,500 population. To enumerate by geographical location and present information on number of people served, size of system, means of financing, current financial situation and other characteristics of rural water and sewer systems in Mississippi. To document the total and per-customer investment to selected existing water and sewerage systems of various capacities. To estimate the annual cost per customer of rural water systems	J. E. Waldrop Department of Agricultural Economics Mississippi State University Mississippi State, MS 39762	9/71-8/73	Water system costs	

of alternative sizes serving areas of different population densities, compared with owned wells. (MISS-4303)

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|------|---|--|-------------------|--|
| 1.03 | <p>DETERMINATION OF OPTIMUM RESERVOIR CAPACITY FOR RURAL WATER SUPPLIES. To develop procedures to determine optimum size of reservoirs for rural water supplies. Uses watershed yield estimates. Range of reservoir sites used as case study to illustrate application to community needs. (KY-123)</p> | <p>C. T. Haan
Department of Agricultural Engineering
University of Kentucky
Lexington, KY 30506</p> | <p>4/71-4/74</p> | <p>Watersheds, yields, supply, community needs, hydrology</p> |
| 1.03 | <p>ECONOMIC STUDY OF ALTERNATIVE SYSTEMS FOR DISTRIBUTING WATER SUPPLIES IN A DECENTRALIZED URBAN-INDUSTRIAL AREA. To develop equation for estimating water use growth rates for large public and industrial organizations; develop models and procedures for water use planning; develop minimum cost plans for distributing water from a major reservoir to various parts of the upper Santee River Basin. (SC-932)</p> | <p>J. M. Stoop
C. L. Liner
Department of Agricultural Economics and Rural Sociology
Clemson University
Clemson, SC 29631</p> | <p>1/70-12/72</p> | <p>Water supply regional analysis, long-term planning, water demand and distribution</p> |

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|------|---|---|------------------|--|
| 1.04 | <p>MAJOR AREA: COMMUNITY SERVICES AND FACILITIES</p> | <p>Minor Area: WASTE DISPOSAL</p> | | |
| 1.04 | <p>ALTERNATIVES AND COSTS OF HANDLING SOLID WASTE MATERIALS IN URBAN FRINGE AND RURAL COMMUNITIES. To determine types of solid waste disposal systems used by county governments and small communities in Georgia and system costs. Evaluate effectiveness of laws for solid waste disposal. Determine probable costs of alternative systems and project solid waste disposal volume and costs for various levels of environmental control. (GA-M-1121)</p> | <p>Dale M. Carley
Department of Agricultural Economics
University of Georgia
Athens, GA 30601</p> | <p>4/71-6/73</p> | <p>Solid waste, pollution, laws, economics</p> |

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS			PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS				
1.04	DISPOSAL OF RURAL DOMESTIC WASTE. To investigate methods of improving performance and aesthetics of septic tank disposal systems. Laboratory tests will compare percolation rates through various interfaces around distribution lines. (GA-01179)	Denny C. Davis Department of Agricultural Engineering University of Georgia Athens, GA 30601			7/74-6/79	Septic tanks
1.04	ECONOMIC CONSEQUENCES OF ECOLOGICAL DECISIONS: A CASE STUDY OF SALTVILLE, VIRGINIA. To analyze a water pollution control plan in a small community and determine its economic consequences. Specifically: (1) to determine magnitude of pollution damage to current and future uses; (2) to analyze probable consequences of pollution abatement programs; (3) to analyze alternative approaches to mesh objectives of water quality improvement and economic and social stability. (VA-61654)	Burl F. Long Department of Agricultural Economics Virginia Polytechnic Institute and State University Blacksburg, VA 24061			2/71-2/73	Pollution, water, environment, costs, benefits
1.04	SOLID WASTE MANAGEMENT FOR NORTHWEST ALABAMA USING SANITARY LANDFILLS. To determine the best location for sanitary landfills. To determine the most efficient routing of pick-up vehicles. To determine total operating cost for each locational pattern. To present a programmed procedure which can be used by other regions or states for solving solid waste disposal location and routing problems. (ALA-363)	William E. Hardy, Jr. Department of Agricultural Economics and Rural Sociology Auburn University Auburn, AL 36330			4/73-6/76	Location, analysis, routing, regional planning

1.05	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: RECREATION	
1.05	CULTURAL AND RECREATIONAL FACILITIES IN TOWNS OF 10,000-18,000 POPULATION IN OKLAHOMA. To determine existing cultural and recreational facilities in towns with populations of 5,000-9,990 and compare. Determine relationship between availability of cultural and recreational facilities and motivation of students to attend college. Determine ways communities might be helped by colleges to develop more cultural and recreational programs. Determine any racial differences in use of existing facilities. (OKLA-PR-004-375-EL)	E. R. Davis K. R. Slothower Murray State Agricultural College Tishomingo, OK 73460	8/72-8/74 Cultural and recreational programs, colleges
1.05	AN ECONOMIC ANALYSIS OF SELECTED OUTDOOR RECREATIONAL RESOURCES IN FLORIDA. To estimate economic demand and supply of selected outdoor recreational resources in Florida, and to determine economic impacts of changes in environmental quality and public policies in outdoor recreation. Analysis of length of stay and number of visits to recreation sites in Florida, interviews with recreationists. (FLA-AS-01623)	Kenneth C. Gibbs Department of Food and Resource Economics University of Florida Gainesville, FL 32601	Environment, outdoor recreation, public policies, economic impact
1.05	IMPLEMENTATION OF CONTINUANCE PLANNING PROGRAM IN OUTDOOR RECREATION, PHASE II. To inventory and summarize planned recreation land acquisition and facility development programs. To conduct studies on out-of-state and in-state residents' use patterns; to study fishing and hunting habitat and water-oriented outdoor recreation activities related to land-based recreation. To compile data for state planning and development districts. (ALA-048)	J. H. Blackstone E. W. McCoy L. S. Driscoll Department of Agricultural Economics and Rural Sociology Auburn University Auburn, AL 36830	10/71-9/72 Outdoor recreation, land regions, water, tourists, economics

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	ADDRESS		
1.05	METHODS FOR SELECTING, PLANNING, MANAGING, AND EVALUATING RECREATIONAL SITES, PHASE I. To determine roles of plant materials in selection, development, and management of recreational sites. To evaluate adequacy of management in meeting preferences of selected groups, particularly the elderly. To determine impact of users on vegetative cover and develop reliable methods for evaluating recreational development. (NC-X-PR-0007-309-12)	C. L. Fountain Department of Plant Science Agricultural and Technical College of North Carolina Greensboro, NC 27411	Vegetation, plant cover, elderly recrea- tionists	6/73-6/78	
1.06	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: LAW ENFORCEMENT			
1.06	No research resumes available				
1.07	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: FIRE PROTECTION			
1.07	No research resumes available				
1.08	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: TRANSPORTATION AND COMMUNICATION			
1.08	EFFECT OF COMMUNICATION AND TRANSPORTATION ON UTILIZATION OF SERVICES BY LOW-INCOME RURAL PEOPLE. To determine availability of knowledge of public aid programs to low- income families. To select a program and pretest its publicity, and prepare an	M. R. Howie K. Hanna South Carolina State College Orangeburg, SC 29115	Low-income, aid programs, transport- ation, audio-visual	3/73-3/78	

audio-visual presentation about existing aid programs. To provide transportation to appropriate agencies. After 6 months, transportation will be withdrawn and a post-test made. (SC-X-PR-0003-011)

	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: GENERAL COMMUNITY SERVICES	
1.09	APPRAISAL OF PUBLIC EXPENDITURES AND SOURCES OF PUBLIC REVENUES WITH EMPHASIS ON LAND RESOURCES. To classify land use, estimate land value, and evaluate land tax potential for supporting local service need. To evaluate existing and potential land resources as sources of revenue. To identify per capita expenses for public services in rural areas. To classify major public service needs and determine benefits relative to cost. (LA-1612)	Floyd L. Corty Department of Agricultural Economics Louisiana State University Baton Rouge, LA 70803	9/72-12/74 Property taxes, public revenues, financing
1.09	DELINEATION OF SOCIOCULTURAL AREAS AND ECOLOGICAL REGIONS OF ARKANSAS. To delineate the sociocultural areas of subregions of Arkansas and to refine delineation of ecological regions by combining sociocultural and ecological factors with economic factors and natural resource data. To identify the ecological and socioeconomic variables related to community decisions and adjustments to change. (ARK-674)	G. T. Hudson Department of Agricultural Economics and Rural Sociology University of Arkansas Fayetteville, AR 72701	8/66-8/69 Socioeconomic, Sociocultural, ecological, natural resources
1.09	AN ECONOMIC ANALYSIS OF EDUCATION AND OTHER INSTITUTIONAL SERVICES FOR RURAL AREAS. To determine the distribution of schooling costs and benefits and analyze ways of reducing costs of schooling in rural areas and to estimate the economies of city size. Analysis of cost and quality of various public services as they vary with city size, population composition, income level, and other factors. (OKLA-1457)	Luther Tweeten Department of Agricultural Economics Oklahoma State University Stillwater, OK 74074	7/70-6/75 Schooling costs, benefits

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
1.09	AN ECONOMIC ANALYSIS OF THE FINANCING OF LOCAL GOVERNMENTS IN NORTH CAROLINA. To identify and estimate the determining factors in present methods of financing local governments. To analyze the effects of alternative proposals for financing. Study of the local tax structure, impact of property taxes on classes of farm property, data on sales of farmland, effect of preferential taxation of agricultural and open land on the urban fringe, potential effect of decrease in value of tobacco allotments. (NC-13357)	F. A. Mangum E. C. Pasour, Jr. Department of Economics North Carolina State University Raleigh, NC 27607	1/72-12/74	Local government, finances, preferential taxation, property taxes, farmland	
1.09	AN ECONOMIC ANALYSIS OF PROVIDING COMMUNITY SERVICES IN RURAL AREAS OF LOUISIANA. To identify and describe selected community services in rural areas; to describe generalized least-cost alternatives for providing services; to identify alternative methods of financing services. Evaluation of economies of size, impact of exogenous variables on user cost. (LA-1617)	R. Bruce Johnson Thomas H. Klindt Department of Agricultural Economics and Agribusiness Louisiana State University Baton Rouge, LA 70803	10/72-10/75	Economics, development, users	
1.09	THE ECONOMICS OF INSTITUTIONAL ARRANGEMENTS FOR VIABLE RURAL COMMUNITIES IN THE GREAT PLAINS. To evaluate effectiveness and costs of providing selected services and facilities in the Great Plains. To determine present availability and adequacy in selected areas. To categorize patterns which reflect quality. To relate costs of quality of service and characteristics of the population served. (TEX-03026)	Lonnie L. Jones Department of Agricultural Economics and Rural Sociology Texas A & M University College Station, TX 77843	7/71-6/76	Costs, quality	

- 1.09 INSTITUTIONAL STRUCTURES FOR IMPROVING RURAL COMMUNITY SERVICES. To identify institutions which affect provision and delivery of community services. To determine existence and adequacy of services in rural areas. To relate institutions to existence and adequacy of community services. To identify policies for effective delivery of community services. (MISS-4304)
- Harold F. Kaufman
Department of Sociology
Mississippi State University
Mississippi State, MS 39762
- 7/71-6/74
- Institutions, community services, organization
- 1.09 INSTITUTIONAL STRUCTURES FOR IMPROVING RURAL COMMUNITY SERVICES. To identify institutions which affect provision and delivery of community services. To define indices of adequacy of community services. To determine existence and adequacy of community services. To identify policies for effective delivery of community services. (TX-03148)
- Wayne H. Oberle
Department of Agricultural Economics and Rural Sociology
Texas A & M University
College Station, TX 77843
- 7/71-6/74
- Institutions, community services, organization
- 1.09 PLANNING AND FINANCING PUBLIC SERVICES FOR RURAL COMMUNITIES. To estimate production functions for alternative types of public services and determine the relationship between facility size and output cost. To determine the relationships between population density, facility location, transportation costs, and total costs of operating public service facilities in multicounty areas and relate quality of service provided in the areas to costs of the system as a whole. (FLA-AS-01630)
- B. R. Eddleman
Department of Food and Resource Economics
University of Florida
Gainesville, FL 32601
- 9/72-
- Public services, cost, multicounty
- 1.09 RELATIONSHIP OF LOCAL PUBLIC FINANCING TO NEEDED PUBLIC SERVICES. To develop for taxing purposes a theoretical model for rural land appraisal. To establish measures of productivity for the model. To relate local public service needs to the tax potential. To analyze the relationship of functional socioeconomic areas to legal-economic limitations on the tax base. (ARK-745)
- James H. White
Waymon Malbrook
J. Martin Redfern
Department of Agricultural Economics and Rural Sociology
University of Arkansas
Fayetteville, AR 72701
- 2/71-6/74
- Local public revenues, quality

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	Minor Area: PLANNING		
1.10	Major Area: COMMUNITY SERVICES AND FACILITIES				
1.10	ANALYSIS FOR RURAL DEVELOPMENT PLANNING. To project employment, income, investment, and government revenue for Oklahoma to 1985. To formulate alternative development strategies for different levels of these variables. To estimate short- and long-run employment and income multipliers. To establish sensitivities of these variables. (OKLA-1497)	Dean F. Shreiner Gerald A. Doeksen Department of Agricultural Economics Oklahoma State University Stillwater, OK 74074	1/71-6/76	Economic projections, long-range planning	
1.10	ECONOMIC AND SOCIOLOGICAL ASPECTS OF COMPREHENSIVE LAND-USE PLANNING IN SOUTH CAROLINA. To develop a comprehensive, computerized land-use and spatial demographic information system for South Carolina. To utilize the system to analyze alternatives for distribution of public investments in development. (SC-00987)	J. C. Hite B. L. Dillman B. L. McLean Department of Agricultural Economics and Rural Sociology Clemson University Clemson, SC 29631	7/71-6/75	Land-use planning, computer mapping	
1.10	AN EXPLORATORY STUDY OF SOCIOECONOMIC CONDITIONS IN SOUTH CAROLINA. To determine the kinds of data needed by private and public agencies to serve their clients. To obtain the kind of information from families in three-county area that public and private agencies need. Visits with educational, economic, political, and social institutions. (SC-X-PR-0003-08)	R. L. Hurst M. E. Akpan South Carolina State College Orangeburg, SC 29115	6/72-6/77	Data, agencies	

1.11	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: HOUSING, EQUIPMENT AND FURNISHINGS	
1.11	BASIC HUMAN NEEDS IN RURAL DEVELOPMENT: HOUSING. To determine the needs for housing in Claiborne County, Mississippi. To identify critical factors causing these needs. To recommend ways to meet these needs, based on pilot tests. Specifically studies paint, landscaping, electrical wiring, household equipment; family characteristics, housing structure, condition, and cost; food and clothing needs. (SS-X-PR-0003-1973-4)	A. Stewart Alcorn Agricultural and Mechanical College Lorman, MS 39096	5/73-5/78 Causes, pilot study, family needs
1.11	DEVELOPMENT OF IMPROVED HOUSING FOR RURAL NORTH CAROLINA FAMILIES. To improve quality and quantity of housing available to rural North Carolina residents by developing new single and multi-family housing designs, new construction methods, and production systems. Also, forming self-help organizations, developing improved credit systems for adequate construction financing. (NC-13327)	R. A. King Department of Economics North Carolina State University Raleigh, NC 27607	2/71-1/72 Financing, construction designs
1.11	EVALUATION AND IMPROVEMENT OF LOW-COST RURAL HOUSING IN TENNESSEE. To find ways of improving substandard housing conditions in rural areas. Studies have indicated farmers have lower quality homes, minority groups have lowest quality houses. To study availability of mortgage credit. (TENN-333)	D. O. Baxter Lofton K. Stuart, Jr. University of Tennessee Knoxville, TN 37616	3/71- Mortgage, construction, farmers, minorities
1.11	PHYSICAL, SOCIAL AND ECONOMIC ASPECTS OF FUNCTIONAL HOUSING FOR LOW-INCOME FAMILIES. To develop and evaluate concepts for low-income housing. To construct and evaluate prototypes of houses and components. To develop an information-retrieval system for housing and building. (SC-872)	James E. Montgomery College of Home Economics Virginia Polytechnic Institute and State University Blacksburg, VA 24061	7/68-6/72 Family, low-income, construction

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
1.11	QUALITY HOUSING ENVIRONMENT FOR LOW-INCOME FAMILIES. To identify housing-related aspirations, expectations, needs, satisfactions of low-income families and examine limitations to attainment of quality housing. To ascertain goals and housing conditions. Emphasis on: condition satisfaction, longitudinal changes, living space, furniture, furnishings, and the near housing environment. Community provisions and limitations concerning housing are considered. (ARK-00794)	C. M. Barnes Department of Home Economics University of Arkansas Fayetteville, AR 72701	6/73-6/78	Aspirations, needs
1.11	QUALITY HOUSING ENVIRONMENT FOR LOW-INCOME FAMILIES. To identify housing-related needs aspirations, and expectations of low-income families and examine limits to attainment of quality housing. Formulate and evaluate innovative delivery systems in production, marketing, and financing in order to improve housing conditions. To formulate and evaluate innovative techniques and delivery systems for transferral of housing information. (NC-11095)	Nancy H. Holmes Kay P. Edwards Department of Home Economics University of North Carolina at Greensboro Greensboro, NC 27412	7/73-6/78	Aspirations, needs, innovative delivery systems
1.11	RURAL DEVELOPMENT RESEARCH, PHASE I. To determine family housing requirements on the basis of selected characteristics. Inventory appraisal of current and potential land uses and factors affecting uses in low-income counties of Alabama. Develop techniques, procedures, and educational processes for effectively communicating information to low-income people about housing, human nutrition, and proper land use. (ALA-116-15-08)	R. A. Chung B. Tolbert Tuskegee Institute Tuskegee, AL 36088	2/67-	Needs, financing improvement

1.11	RURAL HOME FINANCING IN ARKANSAS. To evaluate current housing in terms of needs and opportunities and potential programs for improvement. Specific objectives: to identify socioeconomic factors related to housing quality, to estimate gap between housing needs and availability, to gauge attitude of poorly housed families toward home improvement and incurring debt, and to evaluate alternative financing methods. (ARK-678)	H. J. Meenen Department of Agricultural Economics and Rural Sociology University of Arkansas Fayetteville, AR 72701	5/71-6/74	Land-use, family housing, low-income
1.12	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: LEGAL INSTITUTIONS AND LEGAL SERVICES		
1.12	THE REAL PROPERTY TAX IN COMMUNITY DEVELOPMENT. To appraise the current status of the real property tax in local fiscal policy. To study adequacy of tax revenue in providing public services and the equitability of tax. To explore the feasibility of using tax power to achieve desired land uses. (VA-616152)	W. L. Gibson Department of Agricultural Economics Virginia Polytechnic Institute and State University Blacksburg, VA 24061	1/71-1/74	Property tax, land use
1.13	Major Area: COMMUNITY SERVICES AND FACILITIES	Minor Area: FINANCIAL SERVICES		
1.13	AN ECONOMIC EVALUATION OF CREDIT AND FINANCIAL RESOURCE PROBLEMS OF LOW-INCOME FARMERS AND RURAL RESIDENTS IN SELECTED AREAS OF LOUISIANA. To determine for low-income rural residents: attributes of those with credit problems, extent of knowledge about financial management, present financial position, awareness of sources of credit, alternative methods of increasing incomes, supporting action programs in credit and finance for low-income farm and rural residents. (LA-1555)	R. Bruce Johnson Department of Agricultural Economics and Agribusiness Louisiana State University Baton Rouge, LA 70803	2/71-2/73	Credit, finance

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
1.13	SUPPLYING FINANCING FOR LOCAL PUBLIC SERVICES IN RURAL AREAS TO MEET CHANGING ECONOMIC CONDITIONS. To obtain information on types, extent, and use patterns of public services in rural areas and to analyze per-capita costs of these services. To compare administrative policies and sources of financing of public services, and to evaluate influence of availability and costs of public services upon economic development, population, and out-migration. (KY-85)	J. H. Bondurant A. F. Bordeaux Department of Agricultural Economics University of Kentucky Lexington, KY 40506		1/70-12/74	Economics, financing
1.14	Major Area: COMMUNITY SERVICES AND FACILITIES No research resumes available	Minor Area: OPERATION OF LOCAL GOVERNMENT			
1.15	Major Area: COMMUNITY SERVICES AND FACILITIES No research resumes available	Minor Area: MISCELLANEOUS AND UNCLASSIFIED			

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS			PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	Minor Area: HUMAN DEVELOPMENT			
2.01	Major Area: PEOPLE BUILDING					
2.01	THE AGED IN NORTH CAROLINA: PHYSICAL, SOCIAL, AND ENVIRONMENTAL CHARACTERISTICS AND SOURCES OF ASSISTANCE. To determine selected socio-physioenvironmental characteristics of people 65 and older living in a rural bypassed area. To determine association between these characteristics and sources and types of information and services received or needed by older people. To compare observations on the rural bypassed aging with similar information about metropolitan older people. To provide information relative to need for services or other forms of assistance. (NC-03240)	Vira R. Kivett Department of Home Economics University of North Carolina at Greensboro Greensboro, NC 27607	7/74-6/78	Aging		
2.01	COLLEGE CAREER DEVELOPMENT STUDY OF THE RURAL COLLEGE STUDENT. To develop and administer a new educational development questionnaire to be applied to a randomly sampled group at Langston University to develop better insights into the maturational process of the college student year-by-year. Data will be oriented to reflect developing student attitudes toward social institutions, personal relations, economic factors, and nutrition (OKLA-AR-03)	R. E. Kinnard Langston University Langston, OK 73050	7/69-6/72	College student attitudes		
2.01	COLLEGE MATURATION STUDY. To measure adaptive and developmental changes within the college student through his four years of college, and evaluate the significance of differences between the four academic levels and the difference in the same students in a one-year period in college. (OKLA-AR-04)	R. E. Kinnard Langston University Langston, OK 73050	7/70-7/73	College student attitudes		

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS PERFORMING ORGANIZATION		PERFORMANCE PERIOD	KEY WORDS
		ADDRESS			
2.01	DECISION OF PROFESSIONALS TO LOCATE IN RURAL AREAS. To identify the professional-occupa- tional categories in which perceived shortages exist and to develop an information base for small community leadership to develop strategies for alleviating the problems. (NC-13442)	M. M. Sawhney Department of Sociology and Anthropology North Carolina State University Raleigh, NC 27607		6/74-6/76	Professionals
2.01	DEVELOPMENT OF HUMAN RESOURCE POTENTIALS OF RURAL YOUTH IN MISSISSIPPI AND THEIR PATTERNS OF MOBILITY. To determine patterns of develop- ment, adjustment, and mobility of rural youth relative to occupation, education, family development, and place of residence during tran- sition from adolescence to early adulthood. To determine factors influencing differences in these patterns. To ascertain rates and directions of historical change in values, aspirations, and expectations relative to residence, education, job, and family. (MISS-4006)	Gerald O. Windham John K. Thomas Department of Sociology and Rural Life Mississippi State University Mississippi State, MS 39762		5/72-6/76	Youth, aspirations, social mobility, decision making
2.01	DEVELOPMENT OF HUMAN RESOURCE POTENTIALS OF RURAL YOUTH IN THE SOUTH AND THEIR PATTERNS OF MOBILITY (ALA-327)	J. E. Dunkelberger Department of Agricultural Economics and Rural Sociology Auburn University Auburn, AL 36803		7/71-6/74	Youth, aspirations, social mobility, decision making
2.01	DEVELOPMENT OF HUMAN RESOURCE POTENTIALS OF RURAL YOUTH IN THE SOUTH AND THEIR PATTERNS OF MOBILITY. (GA-H-439)	Melvin J. Knapp Departments of Sociology and Agricultural Economics University of Georgia Athens, GA 30601		7/71-6/74	Youth, aspirations, social mobility, decision making
2.01	DEVELOPMENT OF HUMAN RESOURCE POTENTIALS OF RURAL YOUTH IN THE SOUTH AND THEIR PATTERNS OF MOBILITY. (LA-1231)	Alvin L. Bertrand Department of Rural Sociology Louisiana State University Baton Rouge, LA 70803		7/71-6/74	Youth, aspirations, social mobility, decision making

2.01

DEVELOPMENT OF HUMAN RESOURCE POTENTIALS OF RURAL YOUTH IN THE SOUTH AND THEIR PATTERNS OF MOBILITY. (TEX-02811)

William P. Kuvlesky
Katheryn Thomas
Department of Agricultural
Economics and Rural
Sociology
Texas A & M University
College Station, TX 77843

7/71-6/74

Youth,
aspirations,
social
mobility,
decision
making

2.01

ECONOMIC IMPLICATIONS OF MIGRATION FOR EASTERN KENTUCKY. To examine the migration process with respect to age, education, sex, occupational skills, and income. To measure private costs and returns to individual groups of migrants with respect to their age, education, training, and socioeconomic background. To measure costs and returns to the public. To estimate probable effects of change in the population composition and per capita community income. (KY-93)

Kurt Anschel
Frank Bordeaux
Eldon Smith
Department of Agricultural
Economics
University of Kentucky
Lexington, KY 40506

7/72-6/77

Migration,
costs,
income,
employment

2.01

THE ECONOMICS OF PROFESSIONAL DRIVER TRAINING. To describe and analyze development of formal truck driving schools in the U. S., estimate costs, returns, and rates of return for investment in formal professional truck driver training through the N. C. Truck Driver Training School, with emphasis on students from rural areas. (NC-13332)

Loren A. Ihnen
Department of Economics
North Carolina State
University
Raleigh, NC 27606

4/71-3/74

Occupational
education

2.01

EFFECTS OF FAMILY ORIENTATION UPON PERSONAL CHARACTERISTICS OF COLLEGE FRESHMEN. To determine common personal characteristics among children of a single pattern of family orientation which evolve as a result of the various patterns of orientation. (ARK-X-45-2060)

J. W. McCray
P. Greenhouse
Department of Home Economics
University of Arkansas at
Pine Bluff
Pine Bluff, AR 71601

4/72-4/77

College
students,
family
influence

2.01

EVALUATION OF VOCATIONAL TRAINING FOR RURAL PEOPLE. To study expansion and improvement of manpower training programs serving outlying areas, effectiveness of innovative programs. Assessment of benefits to rural people,

David W. Brown
Sam T. Cooper
Department of Agricultural
Economics and Rural
Sociology

6/72-

Rural
people
training,
adjustment

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	ADDRESS		
2.01	Judgment of implications for future training projects. Studies transitional problems of rural people to training period and job adjustment. (TENN-H-365)	University of Tennessee Knoxville, TN 39616			
2.01	AN EXPERIMENT IN EARLY CHILDHOOD EDUCATION IN A RURAL SETTING. To determine the effect of a broader environment and special educational devices upon learning activity. To evaluate a curriculum specifically designed for rural areas. To analyze formal characteristics of language, reading, and arithmetic relevant to young children in rural areas. (OKLA-X-PR-0004-274-S)	A. C. Mack Langston University Langston, OK 73050		4/72-4/77	Childhood, curriculum, special education
2.01	FACTORS OF DISADVANTAGEMENT AS RELATED TO SCHOOL PERFORMANCE. To determine if economic disadvantage affects school performance. To determine if parents' educational level has effects, if family structure and mobility are factors in school performance. To determine common personal traits among disadvantaged children. (ARK-X-45-2110)	J. T. King Department of Home Economics University of Arkansas at Pine Bluff Pine Bluff, AR 71601		8/72-8/77	Disadvantage- ment, mobility, family structure
2.01	FARM LABOR IN TENNESSEE. To study the problems in agriculture of decrease in relative personal income and difficulty in finding hired labor. To study the farm labor market in Tennessee. (TENN-285)	L. L. Bauer Department of Agricultural Economics and Rural Sociology University of Tennessee Knoxville, TN 37616		9/69-	Labor, income
2.01	HUMAN RESOURCE DEVELOPMENT IN THE FRAMEWORK OF RURAL DEVELOPMENT. To assess the effectiveness of education in Arkansas in providing needed skills. To analyze the job market for those qualifying for non-professional jobs and suggest ways in which the market can be	J. Martin Redfern Department of Agricultural Economics and Rural Sociology University of Arkansas Fayetteville, AR 72701		2/71-6/74	Education, job market, industry

improved. To consider the impact of new industries in the state on unemployment, income and related facilities. (ARK-746)

2.01	HUMAN RESOURCE DEVELOPMENT IN GEORGIA AND THE SOUTHEAST. To establish norms for defining labor market maladjustments. To isolate explanatory variables associated with variation in per capita income. To estimate "earning capacity" and actual per capita earnings. To develop indices of local labor maladjustment. To analyze acuteness of labor maladjustment in local farm and nonfarm sectors. To test relative importance of variables affecting labor maladjustments as a basis for analyzing potential alternatives. (GA-425)	J. W. Dixon J. D. Tarver Department of Agricultural Economics University of Georgia Athens, GA 30601	6/70-	Underemployment, per capita income, adjustments
2.01	INFLUENCES ON OCCUPATIONAL GOALS OF YOUNG PEOPLE. To determine the relationship between selected family characteristics and occupational goals of youth and their mothers for them in three subcultures: Appalachian white, rural Negro, and urban Negro. To determine effectiveness of selected methods of implementing change in the mothers' information and attitudes, which in turn should raise the occupational aspirations of these youth. (SC-826)	K. S. Powell N. R. Covington Department of Home Economics Clemson University Clemson, SC 29631	1/72-	Appalachia, mother-child motivation, occupation
2.01	INFLUENCES ON OCCUPATIONAL GOALS OF YOUNG PEOPLE. (TENN-265)	B. Highberger University of Tennessee Knoxville, TN 37916	4/67-	Appalachia, mother-child motivation, occupation
2.01	INFLUENCES ON OCCUPATIONAL GOALS OF YOUNG PEOPLE FROM THREE SUBCULTURES IN THE SOUTH. (KY-811)	A. L. Coleman University of Kentucky Lexington, KY 40506	6/67-6/72	Appalachia, mother-child motivation, occupation

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER			
2.01	PROBLEMS OF POPULATION DECLINE IN RURAL AREAS. To estimate the effects of rural-urban migration on income to rural resources, personal income and its distribution, economic and demographic interactions; to analyze actual and potential employment of displaced rural people in nonfarm employment by capital importation. To evaluate money income as a measure of well-being among rural farm families, and to develop a more comprehensive indicator of rural economic development. (NC-13231)		Bruce L. Gardner Department of Economics North Carolina State University Raleigh, NC 27607	2/71-1/76	Migration, labor, income, well-being
2.01	WORK MOTIVATION OF CULTURALLY DISADVANTAGED URBAN AND RURAL WORKERS IN TENNESSEE. To compare work motivation by age, sex, ethnicity, formal education, income level, length of residence, occupational field, skill level, within selected dimensions of values, interests, perceptual abilities, intellectual functioning, adjustment, aspirations, risk-taking attitudes, personal history, and physique somatype. To compare work motivation of the culturally disadvantaged with industrial norms. To develop recommendations for rehabilitation and fuller use of human resources of culturally disadvantaged workers. (TENN-X-PR-0001-34566)		E. W. Bragg Department of Home Economics Tennessee Agricultural and Industrial State University Nashville, TN 37203	3/72-3/77	Culturally disadvantaged, work, multivariable
2.02	Major Area: PEOPLE BUILDING		Minor Area: WELFARE		
2.02	COMPARATIVE ANALYSIS OF AGING POOR AND ECONOMICALLY SECURE IN JEFFERSON COUNTY. To determine special problems of the aged in order to judge social and economic		J. W. McCray P. Greenhouse Department of Home Economics University of Arkansas at	4/72-4/77	Aging, social and economic needs

needs. To provide information for appropriation of financial resources for the aged at local, state, and federal levels. To determine difference in problems of poor and economically secure. (ARK-X-2070)

Pine Bluff
Pine Bluff, AR 71601

2.02

COMPARISON OF RURAL POVERTY IN NORTH CAROLINA AND WISCONSIN WITH IMPLICATIONS FOR LABOR FORCE PARTICIPATION RATES. To compare major physical resources and economic and personal characteristics of rural farm and nonfarm populations of North Carolina and Wisconsin. To compare poverty lines and evaluate policy alternatives for these states. (NC-00307-30-C)

6/69-6/72

H. F. Robinson
Department of Agricultural Economics
Agricultural and Technical College of North Carolina
Greensboro, NC 27411

Poverty,
farm,
nonfarm

2.02

ECONOMIC ADJUSTMENT OF POVERTY-STRICKEN RURAL PEOPLE IN NORTH CAROLINA. To study via survey alternative policy proposals to upgrade human and physical resource development. To evaluate alternative outcomes of policies for developing human resources. (NC-00107-35-C)

3/68-6/71

H. F. Robinson
Department of Agricultural Economics
Agricultural and Technical College of North Carolina
Greensboro, NC 27411

Policy,
human and
physical
resources

2.02

AN EVALUATION OF THE EFFECT OF INCOME MAINTENANCE PROGRAMS ON RURAL PEOPLE IN NORTH CAROLINA. To identify types of poverty in North Carolina, compare the traditional welfare system with income maintenance programs, and assess the relative economic well being of rural people in North Carolina. To derive implications for alternatives to income maintenance programs. (NC-00307-51-B)

6/70-6/75

H. F. Robinson
Department of Agricultural Economics
Agricultural and Technical College of North Carolina
Greensboro, NC 27411

Income
maintenance,
welfare

2.02

THE FAMILY ASSISTANCE PLAN AND ITS IMPLICATIONS TO RURAL NORTH CAROLINA. To identify the objectives of the Family Assistance Plan; to evaluate the impact of the implementation of the present plan upon the rural population; to devise viable alternatives to the family assistance plan. (NC-X-309-66)

5/71-6/73

H. F. Robinson
Department of Agricultural Economics
Agricultural and Technical College of North Carolina
Greensboro, NC 27411

Welfare

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	ADDRESS		
2.02	INCIDENCE AND CAUSES OF RURAL POVERTY AND ECONOMIC BENEFITS OF POVERTY PROGRAMS. To determine the incidence, characteristics, geographical distribution, and major causes of poverty and low income among rural people. To determine types of assistance desired by rural people in poverty situations and evaluate public policies for poverty alleviation with regard to recipients' desires and distribution of benefits among recipient groups. (FLA-AS-01629)	C. G. Davis B. R. Eddleman Department of Food and Resource Economics University of Florida Gainesville, FL 32601		7/72-	Poverty, economics
2.03	Major Area: PEOPLE BUILDING	Minor Area: HEALTH AND NUTRITION			
2.03	DEVELOP A SET OF CORRELATED INDICES WHICH CAN BE USED IN THE STUDY OF SUBCLINICAL MALNUTRITION. To identify the educational achievement level of elementary school children through the use of standardized tests to correlate this data with nutritional data. Establish a set of indices applicable for monitoring subclinical malnutrition. (KY-X-PR-0001-15A)	L. Scott M. M. Smith Kentucky State University Frankfort, KY 40601		4/74-4/78	Malnutrition
2.03	DIET-RELATED TOXEMIA IN PREGNANCY. To investigate relationships of specific nutrients and combinations to toxemia in pregnancy in the rural, low-income population of Alabama. To determine correlations between diet and toxemia. To formulate test diets to reduce incidence of toxemia. (ALA-X-PR-0005-FSRC00)	M. A. Maloney R. A. Chung Department of Home Economics Tuskegee Institute Tuskegee, AL 36088		6/72-6/77	Pregnancy, diet, toxemia

- 2.03 DIET-RELATED TOXEMIA IN PREGNANCY, PHASE II.
(ALA-X-PR-0005-FSR-COOL)
- 3/73-3/78
- R. A. Chung
B. Tolbert
J. Y. Lu
Department of Home Economics
Tuskegee Institute
Tuskegee, AL 36088
- Pregnancy,
diet,
toxemia
- 2.03 EATING HABITS AND NUTRITIONAL STATUS OF THE
TEENS IN KENTUCKY. To identify food habits
and the kind and extent of malnutrition among
teenagers, a vulnerable group. Compare
nutritional intake and food behavior of
married teenagers to single teens. To relate
biochemical findings and sociodemographic
factors to food intake, anthropometric, and
clinical observation. (KY-X-PR-0001-19A)
- 3/73-3/78
- O. M. Cheaney
C. J. Lee
Department of Home Economics
Kentucky State University
Frankfort, KY 40601
- Malnutrition,
teenagers
- 2.03 EATING HABITS AND PATTERNS OF SELECTED LOW-
INCOME FAMILIES IN TWO TENNESSEE COUNTIES.
To determine local food habits, attitudes,
likes and dislikes; methods of food
procurement--buying practices, home grown,
food stamps, commodity and supplementary
foods and costs; the extent to which each
commodity purchased with food stamps is
incorporated into the family nutrition
program, including meal planning; and
food intake and nutritive value of the
diets for two seasons based on 24-hour
recall. (TENN-01-4122-34204)
- 7/70-6/72
- O. L. Adams
M. G. Towns
Department of Home Economics
Tennessee Agricultural and
Industrial State University
Nashville, TN 37203
- Food stamps,
food
planning
- 2.03 ECOLOGY OF NUTRITION OF A LOW-INCOME COMMUNITY
IN NORTH CAROLINA. To identify the extent
that level of nutrition in a sample low-income
community can be associated with environmental
factors. Extend this information base to
develop action guidelines for government
agencies, educators toward adjustment of
nutritional levels to an optimum.
(NC-00307-20-B)
- 6/69-3/72
- S. N. Ganapathy
Department of Home Economics
Agricultural and Technical
College of North Carolina
Greensboro, NC 37411
- Low income

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	PERFORMING ORGANIZATION ADDRESS		
2.03	THE EFFECT OF DIETARY TRACE ELEMENTS IN A SELECTED POPULATION. To study the role of trace elements in human development. To determine dietary levels of trace elements for low-income families in Kentucky. To determine how diets containing supplemental trace elements can correct biological impairments resulting from intake of abnormal levels of trace elements. (KY-00101)	C. A. Smith, Jr. W. J. Fleming O. M. Cheaney Department of Chemistry Kentucky State University Frankfort, KY 40601		7/69-6/72	Trace elements, biological impairment
2.03	EFFECTS OF SUBCLINICAL MALNUTRITION ON ADOLESCENT LIFE STYLES IN A RURAL POPULATION. A large pretest to identify a representative, random sample of the adolescent life style and cross-effects upon subclinical malnutrition in a rural population in Kentucky. (KY-X-PR-001-24A(1))	A. W. Wright A. M. Seals R. L. Uhl Department of Sociology Kentucky State University Frankfort, KY 40601		3/73-3/78	Adolescent life style, malnutrition
2.03	FACTORS AFFECTING PATTERNS OF LIVING OF DISADVANTAGED FAMILIES. Utilizing data from nonmetropolitan and metropolitan black families to investigate stress from emotional, mental, or physical handicaps. To determine nature of inter- action among internal patterns of family life. To isolate community structures and institutions affecting these relation- ships. (TEX-X-PR-0004-G-1969)	F. M. Byrd W. P. Kuvlesky Prairie View Agricultural and Mechanical College Prairie View, TX 77445		4/72-4/77	Handicaps, family life
2.03	FACTORS AFFECTING THE UTILIZATION OF FEDERAL FOOD-AID PROGRAMS. To assess number of North Carolina households eligible for federal food-aid programs and extent to which those eligible actually participated, by counties. (NC-X-PR-0004-309-08)	S. N. Ganapathy K. Hafner Department of Home Economics Agricultural and Technical College of North Carolina Greensboro, NC 27411		6/72-6/77	Federal food-aid programs

2.03

FOOD CHOICES AND NUTRITIONAL HEALTH OF THE OLDER AGE GROUP. To identify potential for change in food choices and nutritional programs to improve nutritional health. To contribute to refined methods of measuring nutritional status in relation to variations among individuals. To correlate food choices with nutritional status of individuals in selected population groups with emphasis on those 60 or over. (TEX-PR-0002-G-1967)

F. N. Byrd

Prairie View Agricultural
and Mechanical College
Prairie View, TX 77445

4/72-4/77

Elderly,
nutrition
education

2.03

FOOD CONSUMPTION, DIETARY PATTERNS, AND SCHOOL PERFORMANCE OF ADOLESCENTS. To analyze usual meal patterns and relationship of adequate nutrients to school performance, socioeconomic background of family, and sex. Differences of students receiving free lunches, partially-free, nonfree, and home-packed lunches will also be determined. (MISS-1971-01)

J. B. Tartt
M. Smith

Department of Home Economics
Alcorn Agricultural and
Mechanical College
Lorman, MS 39096

6/71-6/74

Adolescents,
school
lunches

2.03

HEALTH-CARE DELIVERY SERVICES IN RURAL AREAS. To evaluate doctor, nurse, and hospital services; nursing homes, and health service equipment in rural areas. To determine health problems existing there, including age composition and previous health care of recipients. To determine cost of medical services to rural population, assess family participation in medical programs of several types, and determine factors that attract medical personnel to rural areas. (TEX-X-PR-0002)

M. Soliman

Prairie View Agricultural
and Mechanical College
Prairie View, TX 77445

3/73-3/78

Services,
costs

2.03

HUMAN RESOURCE DEVELOPMENT. To survey representative diets among random medium- and low-income families in three Georgia counties to determine extent of malnutrition. To assess minimum nutrient requirements. To establish relationships between family income and food and nonfood

C. L. Ellison

Division of Agriculture
Fort Valley State College
Fort Valley, GA 31030

6/69-6/74

Diet,
malnutrition,
low-income

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
	expenditures. To compare urban, rural farm, and nonfarm food consumption patterns for nutrient quality. To determine the need for nutrition education. (GA-FVSC-CSRS-03)				
2.03	IDENTIFICATION AND EVALUATION OF POLLUTANTS IN RURAL DRINKING WATER SUPPLIES. To evaluate the quality of drinking water for rural homes and identify contaminating pollutants. To employ and then evaluate effectiveness of methods of removing pollutants. (SC-X-PR-0003-009)	S. S. Sandhu W. J. Warren South Carolina State College Orangeburg, SC 29115	8/72-8/77	Drinking water	
2.03	IDENTIFICATION OF SUBCLINICAL MALNUTRITION. To expand the body of knowledge for improving nutrition as a factor in rural development in Franklin County. To identify effective tools for collecting food habit data. To compare that data with metabolic paramaters, adapting instrumental techniques to rapid measurement of the nutritional state. (KY-00102)	W. J. Fleming O. M. Cheaney S. Lee Kentucky State University Frankfort, KY 40601	5/70-6/72	Malnutrition	
2.03	IDENTIFICATION OF SUBCLINICAL MALNUTRITION. To expand the current project to include additional families in a six-county area. (KY-00116-15-41)	W. J. Fleming O. M. Cheaney S. Lee Kentucky State University Frankfort, KY 40601	6/71-6/76	Malnutrition	
2.03	IMPROVEMENT OF FOOD SAFETY AND CONSUMPTION IN RURAL, LOW-INCOME SOUTHSIDE VIRGINIA. To determine food safety and consumption in rural homes, retail food stores, and small food establishments, and develop and evaluate methods for improvement. (VA-X-PR-0002-111779)	M. N. Jordan Virginia State College Petersburg, VA 23803	4/72-4/77	Safety	

2.03

IMPROVEMENT OF THE NUTRITION OF TEENAGERS IN SELECTED COUNTIES OF NORTH FLORIDA.

To determine meal patterns and nutrient intake of teenagers in selected counties of north Florida relative to race, income of parents, and nutrition knowledge. To develop techniques for improving nutrition intakes of large numbers of teenagers, taking into account their cultural and social needs as well as the most prevalent nutrition deficiencies of the region. (FLA-X-PR-0004-4733)

Teenagers

5/73-5/78

J. M. Axelson
B. R. McClendon
Department of Agriculture
and Home Economics
Florida Agricultural and
Mechanical University
Tallahassee, FL 32307

2.03

LEVELS OF NUTRITION HEALTH IN RURAL EASTERN NORTH CAROLINA. To determine the level of nutrition for school children in terms of anthropometric and dietary indices of nutritional health. To evaluate these findings in the light of currently accepted disease patterns of malnutrition. (NC-00307-63-B)

Children

6/71-6/76

S. N. Ganapathy
Department of Home Economics
Agricultural and Technical
College of North Carolina
Greensboro, NC 27411

2.03

MONITORING SUBCLINICAL MALNUTRITION TO ENHANCE RURAL DEVELOPMENT. To develop biochemical parameters for subclinical malnutrition. Subclinical manifestations of Vitamin E excess or deficiency, its relationship to glucogenic and lipogenic effects in the development of cardiovascular diseases associated with subclinical malnutrition, and also significance of age and genetic differences. Development of more sensitive bioassay techniques. (KY-X-PR-0001-14A)

Malnutrition,
Vitamin E

3/73-3/78

J. C. Letton
I. Ahmad
Department of Chemistry
Kentucky State University
Frankfort, KY 40601

2.03

MONITORING SUBCLINICAL MALNUTRITION TO ENHANCE RURAL DEVELOPMENT (BIOLOGY). To develop a systematic approach for routine monitoring of subclinical malnutrition in rural populations. To identify and relate factors coincident to nutritional

Malnutrition

1/72-6/74

W. J. Fleming
Department of Biology
Kentucky State University
Frankfort, KY 40601

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		ADDRESS	PERFORMING ORGANIZATION		
2.03	state relative to rural development. (KY-X-PR-0001-12)				
2.03	MONITORING SUBCLINICAL MALNUTRITION TO ENHANCE RURAL DEVELOPMENT (BUSINESS AND ECONOMICS). To develop a systematic approach for routine monitoring of sub- clinical malnutrition in rural populations. Correlations to be established with low- and middle-income groups and ethnic diversity. (KY-X-PR-0001-13)	G. T. Ridgel D. S. Lee Department of Economics Department of Business Kentucky State University Frankfort, KY 40601		4/72-4/77	Malnutrition, income
2.03	MONITORING SUBCLINICAL MALNUTRITION TO ENHANCE RURAL DEVELOPMENT (CHEMISTRY). To develop a systematic approach for monitoring subclinical malnutrition in rural populations. Detecting malnutrition through new and more rapid analysis of body fluids. (KY-X-PR-0001-14)	J. C. Letton Department of Chemistry Kentucky State University Frankfort, KY 40601		5/72-5/77	Malnutrition, chemistry
2.03	MONITORING SUBCLINICAL MALNUTRITION TO ENHANCE RURAL DEVELOPMENT (HOME ECONOMICS). To develop a systematic approach for monitoring subclinical malnutrition in rural populations. Family studies of food habits. (KY-X-PR-0001-19)	O. M. Cheaney C. J. Lee Department of Home Economics Kentucky State University Frankfort, KY 40601		1/72-6/74	Malnutrition, family
2.03	MONITORING SUBCLINICAL MALNUTRITION TO ENHANCE RURAL DEVELOPMENT (PSYCHOLOGY). To develop a systematic approach for monitoring subclinical malnutrition in rural populations. Identifying edu- cational variables correlated with malnutrition by means of standardized tests. (KY-X-PR-0001-15)	L. P. Scott Department of Physiology Kentucky State University Frankfort, KY 40601		5/72-5/77	Malnutrition, psychology, educational testing

2.03

MONITORING SUBCLINICAL MALNUTRITION TO
ENHANCE RURAL DEVELOPMENT (SOCIOLOGY).
To develop a systematic approach for
routine monitoring of subclinical mal-
nutrition in rural populations. Narrated
questionnaire and tape recorded interviews
and group dynamics approaches.
(KY-X-PR-0001-24)

A. W. Wright
Department of Sociology
Kentucky State University
Frankfort, KY 40601

1/72-5/74

Malnutrition,
sociology

2.03

NUTRITIONAL STATUS OF LOW-INCOME FAMILIES
IN FOUR TENNESSEE COUNTIES. To study local
food habits, attitudes, likes and dislikes;
methods of food procurement, buying
practices and costs of food, and extent to
which food stamps provide food for family
nutrition and meal planning. Determine
possible food intake and nutritive status
of selected family members by biochemical
methods during two seasons.
(TENN-X-PR-0004-34536)

O. L. Adams
Extension Education
Tennessee Agricultural and
Industrial State University
Nashville, TN 37203

2/72-2/77

Low-income,
food stamps,
food planning

2.03

NUTRITIONAL STATUS OF RURAL PEOPLE IN HAMPTON
COUNTY AND INFLUENCE OF NUTRITION EDUCATION.
To use nutritional survey techniques to define
the nutritional needs of low-income rural
people and evaluate effectiveness of the
Expanded Food Nutrition Education Program
of the Cooperative Extension Service in
improving their nutritional status.
(SC-X-OR-0001-1)

K. Mathur
South Carolina State
University
Orangeburg, SC 29115

4/72-4/77

Expanded
Food Nutrition
Education
Program

2.03

NUTRITIONAL STATUS OF SELECTED LOW-INCOME
FAMILIES IN TWO WEST TENNESSEE COUNTIES.
To determine the nutritional status of
selected low-income families by bio-
chemical methods. (TENN-0001-4166-34434)

O. L. Adams
M. G. Towns
Extension Education
Tennessee Agricultural and
Industrial State University
Nashville, TN 37230

6/71-6/73

Low-income

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
2.03	NUTRITIONAL STATUS: A SOCIOLOGICAL APPROACH. To develop models for interdisciplinary applied research useful for improving nutritional status and increasing self-help of impoverished people. To determine physical characteristics of preschool children, nutritive value of diets. (MISS-4003)	Helen Armstrong Department of Home Economics Mississippi State University Mississippi State, MS 39762	7/71-6/73	Poverty, diet
2.03	NUTRITIONAL STATUS STUDIES OF ADOLESCENT GIRLS IN SELECTED AREAS OF SOUTH CAROLINA. To determine the nutritional status of a group of pregnant adolescents using both the dietary survey method and biochemical analyses. To identify nutritional problems and provide appropriate nutrition education. To evaluate the effects of education on food habits. (SC-00005)	M. M. Abernathy South Carolina State College Orangeburg, SC 29115	6/71-6/76	Adolescents, pregnancy, nutrition education
2.03	OCCUPATIONAL HAZARDS IN AGRICULTURE AND rural industry. To determine size of losses in agriculture because of accidental injury; risk of injury in agriculture and related industry as compared to other occupations. If costs are reflected in market prices of labor and product. Methods of reducing agricultural work injuries. Do rural industries experience higher accident rates than urban industries? (NC-X-PR-0001-9-07)	R. Robbins Department of Economics University of North Carolina Greensboro, NC 27412	5/72-5/77	Injury, agriculture
2.03	PARASITES AND PARASITISM AMONG POOR INDIGENOUS PEOPLE OF RURAL LOUISIANA. To investigate parasites of economic and health importance to farmers, animals, and products. To study bionomics of parasites and the host-parasite relationship. Investigate zoonosis and roles of animal reservoirs in the	F. A. Christian Department of Biological Sciences Southern University Baton Rouge, LA 70813	1/72-1/77	Parasites, disease, bionomics

empidemiology of disease-causing parasides in rural areas. (LA-X-PR-0002-8-15-0)

2.03

PATTERNS OF FOOD INTAKE AND NUTRITIONAL HEALTH OF GIRLS. To correlate food choices with nutritional health of girls nine to twelve years of age. To assess the impact of economic level and ethnic background. Dietary, anthropometric, clinical, biochemical, and demographic data. (ALA-341)

Elizabeth Y. Davis
Mildred Van de Mark
Department of Home Economics
Alabama Agricultural
Experiment Station
Auburn, AL 36830

1/72-6/77

Girls,
multi-
variable

2.03

SOYBEAN PROTEIN IN IMPROVING NUTRITIONAL STATUS OF LOW-INCOME FAMILIES. To improve nutritional status of impoverished subjects by feeding synthetic meat. To establish serum protein, cholesterol, and Vitamin A levels; alter K, Ca, and Mg content of soy-B. To influence nutritive content of soy-B by herbicide application. (GA-FVSC-CSRS-02)

O. Simpson
S. F. Rahman
Division of Agriculture
Fort Valley State College
Fort Valley, GA 31030

6/68-6/71

Soybean
protein

2.03

A STUDY OF FAMILY PLANNING OF LOW-INCOME FAMILIES IN SMALL TOWNS OF LOUISIANA. To investigate the need for family planning among rural low-income families. To appraise awareness of income limitations and relationship to family size. To study attitudes toward and preferences for contraception. Recommend establishing a Family Planning Services Center in one of the rural areas. (LA-X-PR-0003-8-15-6)

K. Taj
Department of Home Economics
Southern University
Baton Rouge, LA 70813

5/73-5/78

Family
planning,
low-income

2.03

A STUDY OF FIRE HAZARDS IN HOMES OF LOW-INCOME FAMILIES OF SOUTHSIDE VIRGINIA. To develop guidelines to prevent accidental fires in the home. To check storage of flammable materials, use of faulty electrical appliances and inadequate wiring. (VA-X-PR-0004-1771A)

A. J. Miller
Virginia State College
Petersburg, VA 23803

5/73-5/78

Fire hazards,
low-income

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS			PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	Minor Area: DEMOGRAPHY			
2.04	Major Area: PEOPLE BUILDING					
2.04	ANALYSIS OF DEMOGRAPHIC DATA FOR THE HUMAN RESOURCES OF SOUTH CAROLINA. To obtain, tabulate, and synthesize available population data for residence categories and geographic divisions. To include past, present, and expected trends; decline and growth areas; national and regional comparisons. (SC-000970)	Edward L. McLean Department of Agricultural Economics and Rural Sociology Clemson University Clemson, SC 29631		7/71-6/76	Residence, geography, trends	
2.04	THE CHANGING COMMUNITY. To determine the demographic, ecological, and sociological characteristics of types of communities; to analyze changes in the institutional and sociocultural relations; to determine which growth factors may be applied in directing change and analyze the patterns of adjustment to change by persons in the community. (NC-3865)	Adam Clarke Davis Selz C. Mayo Department of Sociology and Anthropology North Carolina State University Raleigh, NC 27607		7/69-6/72	Social organizations, communities	
2.04	DETERMINANTS AND CONSEQUENCES OF POPULATION TRENDS. To investigate extent, character, and significance of recent population changes in North Carolina, such as composition, residence, migration, fertility, mortality, and rates of growth as these affect the social and economic opportunities of rural people. (NC-3266)	Selz C. Mayo William B. Clifford Department of Sociology and Anthropology North Carolina State University Raleigh, NC 27607		7/69-6/72	Migration, residence, population	
2.04	DISTRIBUTION, COMPOSITION, AND MAJOR DEMOGRAPHIC PROCESSES OF POPULATION. Description, analysis, and interpretation of trends in size, growth, and distribution of population and its social and economic aspects. Investigation and	Mohamed El-Attar Ellen S. Bryant Department of Sociology and Anthropology Mississippi State University Mississippi State, MS 39762		7/71-6/76	Population, change	

analysis of factors related to components of population change--migration, mortality, fertility. Analyses of demographic processes and important emerging patterns of population change. (MISS-4004)

2.04

FACTORS ASSOCIATED WITH THE MIGRATION OF RURAL PEOPLE FROM SELECTED MISSISSIPPI COUNTIES. To isolate and evaluate factors thought to influence migration from Mississippi's rural areas. To ascertain dominant characteristics of those migrating, determine direction of out-migration, assess their educational and occupational status at destinations. To relate findings to on-going programs for rural development and problems of retaining and developing human resources. (MISS-1968-01)

W. C. Boykin
W. F. Jackson
Department of Agricultural
Education
Alcorn Agricultural and
Mechanical College
Lorman, MS 39096

3/68-2/73

Rural
migrants,
occupation

2.04

HUMAN RESOURCE CHARACTERISTICS AND CHANGES IN RELATION TO AGRICULTURE AND RURAL DEVELOPMENT IN TEXAS. To analyze, synthesize, and make available in usable form information concerning the human resources of Texas. To analyze and isolate characteristics of poverty population there and of places having unusually large or small proportions of poverty. To determine and analyze patterns of migration in Texas. To identify and analyze human and economic characteristics of counties losing and gaining population above usual rates. To develop projections for growth and change in Texas after 1970. (TEX-1833)

11/70-6/75

W. K. Upham
Department of Agricultural
Economics and Rural
Sociology
Texas A & M University
College Station, TX 77843

Human
resources,
economics,
future
trends

2.04

HUMAN RESOURCES IN RURAL AREAS OF WEST TENNESSEE. To collect, organize, and analyze socioeconomic data from West Tennessee counties that will be useful

3/72-3/77

G. M. Telvar
Tennessee Agricultural and
Industrial State University
Nashville, TN 37203

Human
resources,
socioeconomic
data

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER			
2.04	to those who develop programs to improve the economic well-being of these rural areas. (TENN-X-PR-0001-34556)		F-rank O. Leuthold Department of Agricultural Economics and Rural Sociology University of Tennessee Knoxville, TN 37616	12/67-	Migration, employment
2.04	MIGRATION PATTERNS OF THE TENNESSEE POPULATION. Tennessee has been experiencing a sharp loss of young adults, a rapid decline in the birth rate, and a slight in-migration. This study seeks to determine who leaves and who stays, the effects of leaving or staying, the areas of residence of outmigrants, factors associated with outmigration, and effect of employment opportunities. (TENN-274)		W. C. Boykin Alcorn Agricultural and Mechanical College Lorman, MS 39096	6/70-6/73	Migration
2.04	PROBLEMS AND PROCESS OF ADJUSTMENT OF MIGRANTS FROM SELECTED RURAL MISSISSIPPI COUNTIES. To ascertain problems encountered by those who leave rural Mississippi to live in new locations. To understand the processes of adjustment to new locations. To develop guidelines for use by local agencies in advising about migration. (MISS-1970-01)		J. D. Tarver J. W. Nixon Department of Agricultural Economics University of Georgia Athens, GA 30601	7/71-6/74	Migration, urbanization, government manpower policies
2.04	SOCIAL AND ECONOMIC IMPLICATIONS OF THE CHANGING POPULATION OF GEORGIA, WITH REFERENCE TO THE ENTIRE SOUTH. To determine effects of recent government manpower policies upon population trends of counties, particularly rural counties. To determine influence of new capital investment upon number of workers, total population trends, and workers' incomes. To determine correlates of metropolitanization, industrialization, and urbanization, and rural depopulation in Georgia and the South. To determine				

major factors affecting population growth and decline of towns and cities in Georgia and the South. (GA-H-442)

2.04

THE SOCIAL IMPACT OF ECONOMIC AND POPULATION CHANGE IN TRANSITIONAL SOUTH CAROLINA COUNTIES. To determine independent impacts of social, economic, and environmental changes in a heterogeneous region. Five categorical bases: community, economic systems, educational institutions, political institutions, natural resource uses. (SC-00965)

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Economics and Rural
Sociology
Clemson University
Clemson, SC 29631

2/71-12/73

Change,
economic
systems,
political
systems,
natural
resources,
communities,
education

2.05 Major Area: PEOPLE BUILDING

Minor Area: EDUCATIONAL PROGRAM EFFECTIVENESS

2.05

CONSTRUCTION AND EVALUATION OF A CAREER DEVELOPMENT PROGRAM IN AGRICULTURAL OCCUPATIONS FOR ADVANTAGED AND LESS-ADVANTAGED RURAL YOUTH. To construct, implement, and evaluate a career development program in agriculture for rural youth. To increase awareness of opportunities and to aid decision-making process for careers. (OKLA-1543)

Robert R. Price
Department of Agricultural
Education
Oklahoma State University
Stillwater, OK 74074

9/71-

Careers,
agriculture

2.05

EFFECTS OF EDUCATION AND FOOD PROGRAMS UPON HEALTH AND LEVEL OF LIVING. To assess effectiveness of nutrition and health education on attitudes and practices of low-income rural residents. To assess effectiveness of social-sensory stimulation of infants born to these parents. To assess effectiveness of supplementary foods on children's growth and development. To determine relationships between nutrition and social sensory stimulation and development. (VA-616158)

Shirley Farrier
Jane Wentworth
Department of Management,
Housing, and Family
Development
Virginia Polytechnic Institute
and State University
Blacksburg, VA 24061

2/72-1/76

Health
education,
childhood
growth

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER	PERFORMING ORGANIZATION	ADDRESS		
2.05	AN EVALUATION OF THE EFFECTIVENESS OF INDIGENOUS PERSONNEL IN AN EDUCATION PROGRAM. To evaluate effectiveness of program aides in facilitating education assistance to a limited number of farm operators whose gross incomes are less than \$10,000 per year. Cost- benefit analysis, study of compatibility of program, and strength and quality of leadership. (TEX-1839)		V. W. Edmondson H. W. Ladewig Department of Agricultural Economics and Sociology Texas A & M University College Station, TX 77843		9/70-8/73	Indigenous personnel, program aides
2.05	EVALUATION OF A LEADERSHIP DEVELOPMENT PROGRAM FOR RURAL DISADVANTAGED IN LAWRENCE COUNTY, ALABAMA. To provide relevant information about effectiveness of a leadership development program in promoting community improvements. (ALA-00-0005-71)		J. I. Dawson Department of Agricultural Education Alabama Agricultural and Mechanical College Normal, AL 35762		6/71-6/73	Disadvantaged, leadership development
2.05	IMAGES OF AGRICULTURE STUDENTS TOWARDS THEIR TRAINING AND TOWARDS AGRICULTURE. To determine factors influencing students to enroll in the School of Agriculture. To determine occupational status of post-1950 graduates and career expectations of current students. To determine students' perceptions of their training and of how their occupational status relates to the industry. (TEX-61920)		C. D. Knotts College of Agriculture Prairie View Agricultural and Mechanical College Prairie View, TX 77445		6/71-6/74	Agricultural careers
2.05	IMPACT OF THE EXPANDED FOOD AND NUTRITION PROGRAM ON LOW-INCOME HOMEMAKERS IN SELECTED ALABAMA COUNTIES. To relate homemaker response to this program to characteristics of low-income homemakers as well as methods employed by program assistants. To develop		J. E. Dunkelberger Department of Agricultural Economics and Rural Sociology Auburn University Auburn, AL 36830		4/71-6/73	Expanded Food and Nutrition Program, low-income homemakers

quantitative measures of homemakers' progress and retention of information and skills. (ALA-318)

2.05

INFORMATION CONSUMPTION BY THE CLIENT SYSTEM AS A STRATEGY TO REDUCE RURAL POVERTY. To assess effects of information consumption on reducing poverty. To identify personal and institutional variables significantly associated with information use. To classify types of information on basis of consumption values. To develop a model of optimum information. (FLA-X-PR-0003-4248)

J. W. Dillon
Department of Agriculture
and Home Economics
Florida Agricultural and
Mechanical University
Tallahassee, FL 32307

11/72-11/77

Poverty,
education

2.05

MAN/COMPUTER SYMBIOSIS: THE RURAL DEVELOPMENT AND ACADEMIC IMPLICATIONS. To monitor unfolding electronic technology, implement user-oriented electronic hardware and software and develop a total electronic information system best suited for use in helping rural development. To evaluate the impact of such implementation and development as it affects research units, rural communities, and families. (TEX-0-1995)

Stanley E. Wilson
John G. McNeely
Department of Agricultural
Economics and Rural
Sociology
Texas A & M University
College Station, TX 77843

3/75-8/76

Computers

0043

2.06 Major Area: PEOPLE BUILDING

Minor Area: HOUSEHOLD DECISIONS AND MANAGEMENT

2.06

CONSUMER PREFERENCES, CHOICE, AND DECISION MAKING OF RURAL LOW-INCOME FAMILIES. To obtain evidence of low-income family choices among selected consumer goods and factors affecting preferences. To determine the range of choices available to low-income families among these goods and compare preferences among income groups. To compare value-attitude systems, influences, preferences, choice, and decision-making skills of low-income families. (NC-13345)

Kay P. Edwards
School of Home Economics
University of North Carolina
Greensboro, NC 27412

3/71-3/73

Consumers,
decision
making

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	ADDRESS		
2.06	DECISION MAKING AND COMMUNICATIONS PATTERNS OF DISADVANTAGED FARM FAMILIES IN THE NORTH CAROLINA COASTAL PLAINS AREA. To determine: kinds of farm-home decisions made by dis- advantaged farm families, processes and sources of information, linkage between sources of information, sociopsychological factors related to decisions and information sources. (NC-13325)	Robert J. Dolan Edgar J. Boone Department of Adult and Community College Education North Carolina State University Raleigh, NC 27607		2/71-1/74	Farm families, sources of information
2.06	HOME AND FAMILY DECISION-MAKING PROCESSES FOR RURAL FAMILIES. To identify decision processes in rural families and develop instruments for their identification and measurement. Compare decision-making pro- cesses in rural and urban low-income families. To study relationships among the processes and factors such as: decision importance, content, strategy, satisfaction, partici- pation. (LA-1558)	C. L. Engebretson School of Home Economics Louisiana State University Baton Rouge, LA 70803		2/71-6/73	Decision making, home management
2.06	INCOME AND EXPENDITURE PATTERNS FOR A GROUP OF SELECTED COUNTIES IN KENTUCKY. To identify economic and noneconomic factors affecting food consumption patterns and relate them to the nutritional status of selected counties. Correlation between the factors will be tested in low- and middle-income groups with ethnic diversity. Use of food stamps will probably be a variable. To estimate the amount of food subsidy required to improve quality and quantity of diet of poor people and evaluate adequacy of current programs. (KY-X-PR-0061-13A)	D. S. Lee Department of Business Kentucky State University Frankfort, KY 40601		4/73-4/78	Income, diet, food stamps

2.06

TEXTILES AND CLOTHING INFORMATION NEEDS OF LOW-INCOME FAMILIES OF NORTH CAROLINA. To provide insights into clothing needs of the disadvantaged. To obtain information on clothing owned by low-income families in North Carolina, to find out what clothing they need and why, where these families make their clothing purchases, and to determine how knowledgeable low-income families are about clothing care and flammability of textiles. (NC-X-PR-0003-309-07)

M. Smith

Department of Home Economics
University of North Carolina
Greensboro, NC 27412

5/72-5/77

Clothing,
low-income

2.07

Major Area: PEOPLE BUILDING

Minor Area: COMMUNITY DECISION MAKING

2.07

IDENTIFICATION OF COMMUNITY LEADERS IN A RURAL, PREDOMINANTLY BLACK COMMUNITY. To develop a sample technique for identifying community leaders in a rural, predominantly black community. To identify community members who influence or are likely to be leaders in community development. To identify the particular spheres of leadership, such as economic, cultural, religious, and political. To test the commonality among the identified leaders. (OKLA-AR-05)

R. E. Kinnard

Department of Agriculture
Langston University
Langston, OK 73050

6/71-6/73

Black
leaders

2.07

THE INTERACTION OF ORGANIZATIONS AND INDIVIDUALS IN ECONOMICALLY GROWING NON-METROPOLITAN TEXAS COMMUNITIES OF 10,000-50,000 POPULATION. To determine the interrelationships among community attributes such as occupational composition, voluntary association, membership, interorganizational cooperation, and income distribution in economically growing nonmetropolitan Texas communities. To determine the interrelationships among the economic status, job satisfaction, and voluntary association participation of individuals in these communities. (TEX-X-1895)

W. H. Oberle

Department of Agricultural
Economics and Rural
Sociology
Texas A & M University
College Station, TX 77843

1/72-6/75

Economic
growth,
cooperation

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER			
2.07	LEADERSHIP RESEARCH FOR COMMUNITY DEVELOPMENT. To ascertain leaders' and nonleaders' perceptions of the needs and problems of the community and the solutions to these problems. To compare perceptions of leaders and non-leaders, and determine the feelings of those in the local community toward community problems and problem solving. To determine beliefs, knowledge, and attitudes of respondents toward migration decision making in relation to community problems and their solution. (LA-X-000004)		J. Moland, Jr. J. H. Hope Department of Agriculture Southern University Baton Rouge, LA 70813	6/70-6/73	Leadership, migration, problem solving
2.07	RURAL COMMUNITY PROBLEMS AND SOLUTIONS AS PERCEIVED BY INDIGENOUS LEADERS AND NONLEADERS. To ascertain in selected rural communities in the state the needs and problems of the community as perceived by leaders and non-leaders. To determine their solutions and community-focused sentiments and cohesiveness as related to community problems and problem solving. (LA-X-PR-0001-8-15-1)		J. Moland, Jr. J. H. Hope Department of Agriculture Southern University Baton Rouge, LA 70813	2/72-2/77	Leaders, problem solving
2.08	Major Area: PEOPLE BUILDING		Minor Area:	LEVEL OF LIVING AND QUALITY OF LIFE	
2.08	AN ANALYSIS OF THE SOCIOECONOMIC CHARACTERISTICS OF BLACK TOWNS IN OKLAHOMA. To identify and evaluate the socioeconomic factors which determine class--occupation, income, education--and local supply and demand for labor. To determine the role of social organizations in community development and the degree to which the community is self-sufficient. To determine potential for job		C. A. Humphrey A. L. Fisher Langston University Langston, OK 73050	4/72-4/77	Socioeco- nomics, black towns

opportunities, education, and housing.
(OKLA-X-PR-0004-274)

2.08

ASSESSMENT OF FAMILY FUNCTIONING IN RURAL AREAS OF TENNESSEE. To provide guidelines useful to Agricultural Extension Service personnel and other agency workers in developing and implementing effective programs to help rural Tennessee families. To establish kinds and levels of preventive and remedial services needed by these families. (TENN-H-354)

E. Gravatt
Helen M. Reed
University of Tennessee
Knoxville, TN 37616
11/71-
Housing,
economics,
government
services

2.08

CHANGES IN THE SOCIOECONOMIC STATUS OF FAMILIES IN LOW-INCOME, HIGH-MIGRATION RURAL AREAS. To determine changes in socioeconomic status of families in low-income, high-migration rural areas of Arkansas. To evaluate the effect of migration on socioeconomic adjustment of those remaining, and determine location, occupation, and family status of migrants. (ARK-693)

J. L. Charlton
Department of Agricultural
Economics and Rural
Sociology
University of Arkansas
Fayetteville, AR 72701
12/68-2/73
Migration,
low income,
socioeconomic
adjustment

2.08

CHARACTERISTICS AND PROBLEMS OF THE AGED IN A DIFFUSED RURAL SOCIETY. To determine the number, characteristics, attitudes, and aspirations of aged persons in rural areas of Louisiana and discover the problems they face in a rapidly changing rural world. Specific objectives: determine concepts of retirement and work, how they plan to adjust to increasing impact of technology; characteristics, plans, attitudes and problems of rural and urban aged to be contrasted. (LA-1147)

A. L. Bertrand
Department of Rural Sociology
Louisiana State University
Baton Rouge, LA 70803
1/64-12/73
Aging,
retirement

2.08

HOUSING NEEDS AND SATISFACTIONS OF RURAL FAMILIES IN NORTH CAROLINA. To identify housing needs and satisfactions, compare these with actual dwellings and the current

Nancy H. Holmes
Department of Home Economics
University of North Carolina
Greensboro, NC 27412
11/72-11/74
Housing,
demographics

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
2.08	housing supply. To evaluate expressed needs in relation to selected demographic characteristics. (NC-13388)	Alvin L. Bertrand Virginia Steelman Department of Rural Sociology Louisiana State University Baton Rouge, LA 70803	2/71-6/73	Recreation	
2.08	THE HUMAN ECOLOGY AND RECREATIONAL IMPACT OF TOLEDO BEND RESERVOIR. To determine the impact of the development of this natural resource on Western Louisiana. Specific goals: provide information on changes in human ecological patterns and on users. (LA-1556)	H. Stallworth Department of Agriculture Fort Valley State College Fort Valley, GA 31030	5/72-5/77	Poverty	
2.08	POVERTY ISOLATION IN NINETEEN SELECTED COUNTIES IN MIDDLE GEORGIA. To identify poverty-cycle families in nineteen Middle Georgia counties and identify and isolate causal factors that contribute to and perpetuate poverty. To assist the Cooperative Extension Service and other agencies in establishing remedial programs. (GA-X-PR-0004-HR-0)	P. Greenhouse J. W. McCray Department of Home Economics University of Arkansas at Pine Bluff Pine Bluff, AR 71601	6/71-6/73	Housing, personal characteristics	
2.08	RELATIONSHIP BETWEEN PERSONAL CHARACTERISTICS AND HOUSING ENVIRONMENT. To determine if a relationship exists between personal characteristics and housing and if the sex factor is a variant in determining the effect of housing environment on personal characteristics. (ARK-X-45-2030)	Calvin Vanlandingham Wayne C. Curtis Department of Agricultural Economics Auburn University Auburn, AL 36830	2/71-6/75	Social change	
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. To compile materials describing changes during the 1960's in counties and subareas of the South in a form useful to rural leaders. To determine major social, economic, and other changes				

not covered in available secondary materials. To determine changes since 1960 in quality of living for rural families in selected counties. To relate those changes to changes identified in secondary sources. To determine patterns of change since 1960 in quality of living for individuals and families representing distinctive types in 1960. (ALA-316)

2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (GA-432)	John D. Kelly Hugh Max Miller James Tarver Department of Sociology University of Georgia Athens, GA 30601	2/71-6/75	Social change
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (KY-815)	James Brown A. Leo Coleman Milton Coughenour Department of Rural Sociology University of Kentucky Lexington, KY 40506	2/71-6/75	Social change
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (LA-1557R)	Pedro F. Hernandez Virginia Steelman Alvin L. Bertrand Department of Rural Sociology Louisiana State University Baton Rouge, LA 70803	2/71-6/75	Social change
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (MISS-4102)	Gerald O. Windham Department of Sociology and Rural Life Mississippi State University Mississippi State, MS 39762	2/71-6/75	Social
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (NC-11879)	Glenn C. McCann Department of Sociology and Anthropology North Carolina State University Raleigh, NC 27607	2/71-6/75	Social change

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (PR-00276)	R. Calero Department of Agricultural Economics and Rural Sociology University of Puerto Rico Rio Piedras, PR 00928		8/73-6/75	Social change
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (SC-000970)	Edward L. McLean Department of Agricultural Economics and Rural Sociology Clemson University Clemson, SC 29631		2/71-6/75	Social change
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (TENN-S-79)	University of Tennessee Knoxville, TN 37916		2/71-6/75	Social change
2.08	RURAL DEVELOPMENT AND THE QUALITY OF LIFE IN THE RURAL SOUTH. (TEX-02791)	W. Kennedy Upham Department of Agricultural Economics and Rural Sociology Texas A & M University College Station, TX 77843		2/71-6/75	Social change
2.08	SOCIAL FACTORS IN THE DEVELOPMENT AND USE OF KENTUCKY'S NATURAL RESOURCES FOR OUTDOOR RECREATION. To determine current patterns and trends in outdoor recreation use in Kentucky and implications for future needs. To measure attitudes about outdoor recreation programs and assess social and demographic consequences of projected resource development and recreational projects. To evaluate attitudes towards leisure and outdoor recreation by users and potential users. (KY-813)	R. I. Burdge Department of Sociology University of Kentucky Lexington, KY 40506		7/69-6/74	Outdoor recreation, attitudes

2.08

SOCIOCULTURAL AND SITUATIONAL FACTORS IN POVERTY IN SELECTED RURAL AREAS IN MISSISSIPPI.
To construct a typology of Mississippi counties in terms of relative socioeconomic development, to reflect socioeconomic changes between 1960 and 1970 and to select representative county types for in-depth field studies. To determine possibilities for improving levels of living of low-income rural families through examination of education, attitudes, family structure, housing conditions, participation in organizations and agency programs, and economic, cultural, and political conditions in which poverty exists. (MISS-4101)

Carlton R. Sollie
Gerald O. Windham
Benjamin Rommel
Department of Sociology
Mississippi State University
Mississippi State, MS 39762

2/71-2/74

Social
development,
social
action

2.08

STUDY OF HUMAN AND NATURAL RESOURCES OF DISADVANTAGED PEOPLE OF SOUTHEAST ARKANSAS.
To identify and locate farmers in each county with income below \$3,500. To describe personal and family characteristics which limit opportunity for increased income. To locate farms whose size will allow them to produce cotton, soybeans, and rice, and to identify those too small for this kind of operation. To develop small farm resources and programs utilizing production data to maximize farm income. (ARK-X-45-2120)

O. R. Holiday
University of Arkansas of
Pine Bluff
Pine Bluff, AR 71601

2/73-2/78

Farmers

0051

2.09

Major Area: PEOPLE BUILDING

Minor Area: PUBLIC POLICY

2.09

AGRICULTURAL AND RURAL LABOR MARKETS.
To determine response in quality and quantity of agricultural labor to changes in economic incentives. To analyze alternative public policies affecting this sector and affecting migrant labor, especially to determine their likely

R. D. Emerson
Department of Food and
Resource Economics
University of Florida
Gainesville, FL 32601

2/72-

Migrants,
farm labor

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER	PERFORMING ORGANIZATION	ADDRESS		
2.09	impact in Florida and the Eastern Seaboard Migratory Stream. (FLA-AS-01632)			D. C. Ruesink Department of Agricultural Economics Texas A & M University College Station, TX 77843	8/70-	Agricultural labor

2.10 Major Area: PEOPLE BUILDING Minor Area: SOCIOLOGICAL ASPECTS OF SMALL FARMS

No research resumes available

005

2.11 Major Area: PEOPLE BUILDING Minor Area: MISCELLANEOUS AND UNCLASSIFIED

No research resumes available

PROJECT TITLE		RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
MATRIX NUMBER	ABSTRACT PROJECT NUMBER	PERFORMING ORGANIZATION ADDRESS	Minor Area: HOLDING AND ATTRACTING INDUSTRY		
3.01	Major Area: ECONOMIC DEVELOPMENT				
3.01	EMPLOYMENT IMPACT OF INDUSTRIAL PARKS IN RURAL AREAS OF GEORGIA. To determine the types of firms that might locate in industrial parks in rural Georgia, emphasizing poverty areas. To estimate the differential costs of combating pollution in rural and urban locations for specific industries. To measure employment created by industrial parks, by shifts in employment and net new employment, and farm to nonfarm and shifts within the nonfarm employment. (GA-1146)	D. W. Parvin, Jr. Department of Agricultural Economics University of Georgia Athens, GA 30601	7/71-6/74	Industrial parks, employment	
3.01	POTENTIALS FOR RURAL ECONOMIC DEVELOPMENT. To identify and examine means for raising productivity. To identify activities for expanding and improving rural employment opportunities. To identify and evaluate processes and forces that foster or hinder development, and arrange alternatives to be of use to decision makers. (GA-435)	S. J. Brannen E. E. Brown M. C. LaPlante Department of Agricultural Economics University of Georgia Athens, GA 30601	3/71-6/75	Employment, productivity	
3.02	Major Area: ECONOMIC DEVELOPMENT				

No research resumes available.

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER	PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD		
3.03	Major Area: ECONOMIC DEVELOPMENT		Minor Area: INCOME AND EMPLOYMENT EFFECTS OF RURAL INDUSTRY			
3.03	AN EVALUATION OF THE ECONOMIC BENEFITS AND COSTS OF INDUSTRIALIZATION IN RURAL COMMUNITIES OF TEXAS. To determine the level of industrialization program costs incurred by rural communities and the distribution of the burden of these costs among various sectors of the public. To estimate level and distribution of income and employment effects due to industrialization in rural communities. To determine economic impact of industrialization on the public service systems of rural communities and distribution of these costs among categories of rural residents. (TEX-S-6084)		Lonnie L. Jones Department of Agricultural Economics and Rural Sociology Texas A & M University College Station, TX 77843	4/74-6/77	Cost of industrialization	
3.03	FACTORS AFFECTING THE MARKETING OF WOOD HANDICRAFT PRODUCTS IN KENTUCKY. To determine the economic efficiency of present and alternative systems for production marketing of wood handicrafts. To determine the feasibility of a vertically integrated production and marketing organization. To estimate cost functions for wood handicraft firms. (KY-96)		John C. Redman Department of Agricultural Economics University of Kentucky Lexington, KY 40506	2/73-12/77	Wood handicrafts, marketing, vertical production	
3.03	JOB CREATION AND EMPLOYMENT IN RURAL AREAS. To determine impact of job creation and employment on rural development within the selected areas of Mississippi through the study of family socioeconomic status, labor force participation, employment		J. C. Crecink Mississippi State University Mississippi State, MS 39762	7/71-6/74	Labor, employment	

types, job mobility, training and retraining, and other problems. (MISS-4302)

3.04	Major Area: ECONOMIC DEVELOPMENT	Minor Area: INCOME AND EMPLOYMENT EFFECTS OF NATURAL RESOURCE DEVELOPMENT		
3.04	EFFECTS OF INVESTMENTS IN RECREATIONAL RESOURCES ON INCOME AND EMPLOYMENT IN BARBEUR AND MARSHALL COUNTIES IN ALABAMA. To estimate the relationship between various kinds and amounts of investments in rural recreational resources and economic development and to determine the relationship between various types of socioeconomic changes and level and pace of economic developing in two Alabama counties. (ALA-315)	E. W. McCoy Department of Agricultural Economics and Rural Sociology Auburn University Auburn, AL 36830	1/71-6/76	Economic impact
3.04	EMPLOYMENT AND INCOME EFFECTS OF INVESTMENTS IN NATURAL RESOURCES IN GEORGIA. To estimate changes in economic activity associated with a natural resource investment in small watershed projects, rivers and harbors projects, and private developments and other projects. To estimate changes in employment and income distribution resulting from these investments. (GA-H-412)	R. M. North Department of Agricultural Economics University of Georgia Athens, GA 30601	7/69-6/74	Employment, income, watersheds, rivers and harbors, private developments
3.04	POST-PROJECT EVALUATION OF THE CHEHA CREEK WATERSHED DEVELOPMENT UNDER PUBLIC LAW 566. To measure costs and benefits of watershed development and the economic impact on the county. To determine landowners' attitudes on cost sharing and environmental quality. To estimate changes in land-use patterns and values after project completion. To compare evaluation procedures revised by the Water Resources Council with those under which the project was approved. (ALA-359)	H. A. Clonts, Jr. Department of Agricultural Economics and Rural Sociology Auburn University Auburn, AL 36830	1/73-6/75	Watershed, benefits, values, attitudes

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
3.04	THE POTENTIAL FOR DEVELOPMENT AND ECONOMIC IMPACT OF OUTDOOR RECREATION FACILITIES IN SELECTED RURAL AREAS IN LOUISIANA. To determine potential for recreational development at reservoirs, such as Toledo Bend, Lake D'Arbonne, and Lake Claiborne, and nonreservoir areas. To determine potential for developing and marketing fee hunting, fishing, camping, and other operations by farmers and individuals on marginal agricultural land as alternative income sources. To estimate the effect of reservoir developments and fee recreation upon income, employment opportunities, tax base, overall economic well-being in the community. (LA-1554)	J. F. Hudson L. J. Guedry Department of Agricultural Economics and Agribusiness Louisiana State University Baton Rouge, LA 70803	2/71-2/76	Income supplement, reservoir development	
3.04	REGIONAL INCOME AND EMPLOYMENT EFFECTS OF INVESTMENTS IN NATURAL RESOURCES. To estimate impact of natural resource investments on the composition of economic activities, employment levels, and distribution of income, with reference to problems of economic growth, low income, unemployment, and underemployment. (ARK-715)	J. Martin Redfern Department of Agricultural Economics and Rural Sociology University of Arkansas Fayetteville, AR 72701	7/69-6/74	Overall effect	
3.04	REGIONAL INCOME AND EMPLOYMENT EFFECTS OF INVESTMENTS IN NATURAL RESOURCES. To delineate areas on the basis of natural resource investments and identify variables determining effectiveness of investments in area growth. To evaluate effects on com- position of economic activity, employment, and income. To evaluate and compare effects of alternative natural resource investments on growth in employment and income. (FLA-AS-01473)	B. R. Eddleman Department of Agricultural Economics University of Florida Gainesville, FL 32601	7/69-6/74	Overall effect	

3.04	REGIONAL INCOME AND EMPLOYMENT EFFECTS OF INVESTMENTS IN NATURAL RESOURCES. (MISS-4301)	J. E. Waldrop Department of Agricultural Economics Mississippi State University Mississippi State, MS 39762	7/69-6/74	Overall effect
3.04	REGIONAL INCOME AND EMPLOYMENT EFFECTS OF INVESTMENTS IN NATURAL RESOURCES. To evaluate the economic effects of investments in water resources in the Tennessee Valley, with specific attention given to the effects upon the composition of economic activity, employment and levels of distribution of income. (TENN-H-303)	Joe A. Martin Department of Agricultural Economics and Rural Sociology University of Tennessee Knoxville, TN 37916	7/68-6/74	Overall effect, Tennessee Valley
3.05	Major Area: ECONOMIC DEVELOPMENT	Minor Area: ALTERNATIVE USES OF NATURAL RESOURCES		
3.05	POTENTIAL FOR INCREASING NET FARM INCOME ON LOW-INCOME FARMS IN EASTERN KENTUCKY. To estimate potential gains in net farm income from existing resources on selected farms. To identify nonresource impediments to increasing farm incomes on these farms. (KY-98)	Eldon D. Smith Harry H. Hall Department of Agricultural Economics University of Kentucky Lexington, KY 40506	7/74-6/77	Increased farm income
3.05	SUPPLY AND DEMAND FOR PUBLIC FOREST RECREATION IN THE NORTH CENTRAL REGION. To develop decision models for estimating dollar values of forest recreation, consumption (rates of activity), and secondary economic consequences. To study consumer values affecting demand for forested outdoor recreation facilities. (KY-814)	R. Burdge Department of Sociology University of Kentucky Lexington, KY 40506	1/70-	Forest recreation, supply and demand

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
3.06	Major Area: ECONOMIC DEVELOPMENT	Minor Area: RURAL RECREATION ENTERPRISES		
3.06	ECONOMIC EVALUATION OF SELECTED OUTDOOR RECREATION FACILITIES. To determine costs and expected returns from developing selected types and combinations of recreation facilities, based primarily on fee systems. To convert demand into labor, land, and capital needs. (ALA-299)	E. W. McCoy L. S. Driscoll Department of Agricultural Economics and Rural Sociology Auburn University Auburn, Al. 36830	1/70-6/74	Costs, returns
3.06	EXPANSION OF EMPLOYMENT OPPORTUNITIES IN RURAL RECREATIONAL ENTERPRISES. To determine resource characteristics, income and employment levels, quality of attractions, factors which influence success of enterprises, to compare ability to compete for traditional resources. To project needs for additional enterprises. (GA-H-436)	E. Evan Brown Fred J. Holumo Department of Agricultural Economics University of Georgia Athens, GA 30601	3/73-6/74	Expansion, employment
3.07	Major Area: ECONOMIC DEVELOPMENT	Minor Area: TECHNOLOGY FOR SMALL FARMS		
3.07	AN ANALYSIS OF THE ECONOMIC FACTORS AFFECTING THE SUCCESS OF SMALL FARM OPERATIONS. To identify some successful small farmers in Louisiana. To determine the characteristics for success, estimate resource requirements, and determine managerial practices. To estimate input-output relationships and capital-labor coefficients by farm type and resource outlay. To determine the optimal combination of enterprises and make recommendations to increase farm income. (LA-X-PR-0002-8-15-5)	L. Davis J. R. Jindia Department of Agricultural Economics Southern University Baton Rouge, LA 70813	5/73-5/78	Success, managerial practices

- 3.07 THE DEVELOPMENT AND TESTING OF A MANAGEMENT HANDBOOK FOR ECONOMIC OPPORTUNITY COOPERATIVES. To ascertain ways of improving organization, operation, and management of Economic Opportunity Cooperatives and prepare a Management Handbook for their use. (MISS-1969-01)
- 6/69-6/74 J. A. Morris
Department of Agriculture
Alcorn Agricultural and
Mechanical College
Lorman, MS 39096
Economic opportunity cooperatives, organization, management
- 3.07 ECONOMIC FEASIBILITY OF ORGANIZING, FINANCING, AND MANAGING FARM COOPERATIVES FOR LOW-INCOME FARMERS AND RURAL RESIDENTS. To determine feasibility of organizing, financing, and managing cooperatives to accommodate income needs and rural living requirements for persons of low income. To design model-type cooperatives. To outline requirements for and to implement procurement of borrowed public and private funds to initiate low-income cooperatives. (LA-1552)
- 2/73-6/75 E. P. Roy
Department of Agricultural
Economics and Agribusiness
Louisiana State University
Baton Rouge, LA 70803
Cooperatives, low-income rural residents
- 3.07 ORGANIZATION OF FAMILY-TYPE FOOD CROP FARMS. To identify food crops, develop input-output data for such crops, and determine profitable combinations of food-crop enterprises for representative family farms in selected areas. (PR-00277)
- 9/72-9/74 G. E. Pringle
Department of Agricultural
Economics and Rural
Sociology
University of Puerto Rico
Rio Piedras, Puerto Rico 00928
Family farms, food crops
- 3.07 POTENTIAL AND ALTERNATIVES FOR LAND-HOLDING, RURAL NONFARM RESIDENTS AND PART-TIME FARMERS IN PIEDMONT, GEORGIA. To determine potential for increasing incomes of land-holding rural residents with nonfarm jobs. (GA-H-M-1120)
- 3/71-4/73 D. W. Parvin, Jr.
Department of Agricultural
Economics
University of Georgia
Athens, GA 30601
Increased nonfarm income
- 3.07 SCIENTIFIC FARM ORGANIZATION FOR RURAL DEVELOPMENT. To determine the farm enterprises, sizes of enterprises, and combination of technological practices that lend themselves best to improvement of incomes for rural families. To help under-employed families by producing an adequate level of living. (PR-00267)
- 3/71-3/76 C. Serra
Department of Agricultural
Economics and Agribusiness
University of Puerto Rico
Rio Piedras, Puerto Rico 00928
Under-employment, technology for family farms

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
3.07	TYPES OF BROILER PRODUCTION AND MARKETING CONTRACTS: EFFECTS ON GROWER RETURNS. To determine types of production and marketing contracts used by broiler growers. To determine grower costs and returns from producing and marketing broilers under various types of contracts. To develop updated production and marketing cost data for grower use in planning entry to, or expansion of, the broiler enterprise. (ARK-00803)	W. J. Windham Department of Agricultural Economics and Rural Sociology University of Arkansas Fayetteville, AR 72701	1/74-12/75	Broiler production
3.08	Major Area: ECONOMIC DEVELOPMENT	Minor Area: ENTERPRISES FOR SMALL AND PART-TIME FARMS		
3.08	ALTERNATIVE INCOME OPPORTUNITIES FOR THE LIMITED-RESOURCE FARMER IN THREE NORTH CAROLINA COUNTIES. To isolate limited-resource farmer in the selected counties in terms of land, labor, and capital available to him, to obtain his optimum allocation of resources according to farm enterprise, and where the optimum allocation of resources does not allow him to obtain a "satisfactory" standard of living, to explore the possibility of alternative sources of income outside of agriculture. (NC-X-PR-0001-309-86)	B. G. Coley Department of Economics University of North Carolina at Greensboro Greensboro, NC 27412	6/72-6/77	Limited resources, alternative sources of income
3.08	ALTERNATIVE TECHNICAL AND ECONOMIC SYSTEMS OF SWINE PRODUCTION AND MARKETING ON SMALL FARMS. To determine the most effective marketing of feeder pigs, including contractual arrangements and specialized	L. Weatherspoon Prairie View Agricultural and Mechanical College Prairie View, TX 77445	4/72-4/77	Feeder pigs

feeding-out of the pigs. To analyze the costs of production, under different systems, with special emphasis upon various on-hand resources of small farms. To evaluate the technical effects in the Texas Gulf Coast area of: optimum level of protein for the growing stages, kinds and levels of protein upon lean-cut yield and efficiency of gain, and confinement systems. To evaluate the technical and economic aspects of waste disposal in feeder pig production under various systems of confinement.
(TX-X-PR-0003-G-1972)

3.08 ANALYSIS OF RESOURCES ON SMALL, LOW-INCOME FARMS. To determine the current physical and human resources on small, low-income farms. To determine augmentation and development of resources needed to achieve better social and economic results from their use. To determine off-farm capabilities and needs of farmers. To provide basic enterprise budgeting and other information for Extension educational programs among small, low-income farmers. (TEX-X-PR-0003)

V. W. Edmondson
Prairie View Agricultural
and Mechanical College
Prairie View, TX 77445

3/73-3/78

Low-income,
small farms

3.08 ASPARAGUS AS A HIGH-INCOME-PER-ACRE CASH CROP FOR LIMITED-RESOURCE FARMERS. To determine comparative value of asparagus as a high-per-acre-cash-value crop for limited-resource farmers and to study the effect of growth inhibitors in prolonging dormancy, and determine varieties best adapted to the area, and the best cultural practices. (GA-X-PR-0003-72PS-0)

H. Stallworth
Division of Agriculture
Fort Valley State College
Fort Valley, GA 31030

6/72-6/77

Asparagus,
cash crops,
low income

3.08 ECONOMIC EVALUATION OF ALTERNATIVE ENTERPRISES FOR PART-TIME FARM FAMILIES. To evaluate contract poultry and livestock production alternatives for part-time Georgia farm families. To appraise factors affecting

G. C. Lance
Department of Agricultural
Economics
University of Georgia
Athens, GA 30601

3/71-6/74

Part-time
farmers,
off-farm
employment

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS			
3.08	efficiency in part-time farm family production units. To project long-range prospects for contract agricultural and nonfarm alternatives. (GA-M-1122)				
	ECONOMIC FEASIBILITY OF ORGANIZING MARKETING AND SUPPLY COOPERATIVES BY THE LOW-INCOME FARMERS. To determine the feasibility for such organizations in South Carolina. To determine areas in South Carolina where cooperatives are likely to yield the most economic benefits to low-income farmers. (SC-X-PR-0003-010)	S. R. Londhe South Carolina State College Orangeburg, SC 29115	9/72-9/77	Cooperatives	
3.08	ECONOMIC FEASIBILITY OF PRE-BROILER PRODUCTION BY LOW-INCOME FARM FAMILIES. To determine the market potential for pre-broilers in the Texas Gulf Coast area. To determine most effective marketing methods, including producer-buyer arrangements, processing, and distribution to market outlets. To analyze costs of producing live birds under various production methods. To evaluate comparative efficiencies of the cage and litter pen types of confinement. To evaluate meat strains of birds most suitable for pre-boiler production. To investigate nutritional and confinement management factors in production. (TEX-X-PR-0003-G-1971)	J. J. Woods Prairie View Agriculture and Mechanical College Prairie View, TX 77445	4/72-4/77	Pre-broilers, marketing	
3.08	POPULATION AND FARM TYPES IN THE COFFEE REGION. To determine changes taking place in size, age, sex, and education of the population of the Coffee Region. To study the operation of family farms in this	R. Calero D. Vargas Department of Agricultural Economics and Rural Sociology		Planation farms, family farms	

2900

region and planation farms.
(PR-00245)

University of Puerto Rico
Rio Piedras, PR 00928

3.09 Major Area: ECONOMIC DEVELOPMENT

Minor Area: ECONOMIC INTERACTION IN RURAL AREAS

3.09 CHANGES IN INDUSTRIAL STRUCTURE IN WEST TENNESSEE AND ITS IMPACT ON DEVELOPMENT IN RURAL AREAS. To obtain information about spatial patterns of industrial development and analyze the impact of manufacturing on incomes in the rural areas of West Tennessee from 1960-1970. To describe and analyze factors influencing recent spatial patterns of industrial development, so that some general guidelines can be established by which to advise local leaders about types of industries suitable for their areas. (TENN-X-PR-0001-34816)

S. P. Singh
Tennessee Agricultural and
Industrial State University
Nashville, TN 37203

3/73-3/78

Industry,
manufacturing,
incomes

0063
3.09 DATA INFORMATION SYSTEMS FOR RURAL PLANNING. To design an economic data information system for multicounty planning districts in Oklahoma. To empirically estimate the economic data information system. (OKLA-1456)

Dean F. Schreiner
Department of Agricultural
Economics
Oklahoma State University
Stillwater, OK 74074

1/70-6/74

Data systems

3.09 DELINEATION OF FUNCTIONAL ECONOMIC AREAS IN TENNESSEE. To study the self-contained units, or functional economic areas, within the economic system. Identification of these areas will serve public and private agencies and aid in evaluating feasibility of specific types of industries for certain locations. (TENN-H-327)

Joe A. Martin
Charles R. Kerley
University of Tennessee
Knoxville, TN 37616

2/71-

Economics

3.09 DETERMINANTS OF THE RATE OF GROWTH IN EMPLOYMENT IN THE NORTH FLORIDA AREA ECONOMY. To develop explicit methods for determining employment growth rates and interrelationships, or linkages, among the principal sectors of a

B. R. Eddleman
Department of Agricultural
Economics
University of Florida
Gainesville, FL 32601

7/68-7/71

Area
economics,
growth

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		ADDRESS	PERFORMING ORGANIZATION		
3.09	predominantly rural economy. To empirically test these conceptual developments in the North Florida area economy. (FLA-AS-1436)				
	DEVELOPMENT OF PROCEDURES FOR QUANTIFYING AND ASSESSING THE ECONOMIC WELL BEING OF RURAL AREAS IN KENTUCKY. To identify a set of relevant economic variables which can be used to assess the level of economic development of rural areas. To construct alternative mathematical and statistical models and use the fitted models for predicting values of economic development. To compare the performance of alternative models using criteria adopted from philosophy of science, economic theory, and the theory of statistical inference. (KY-89)	Bruce R. Beattie Garnett L. Bradford Department of Agricultural Economics University of Kentucky Lexington, KY 40506		1/71-6/73	Economics, mathematical models
3.09	EARNINGS OF FARMERS THROUGH COOPERATIVE ACTION IN ARKANSAS. To determine if prices received through cooperatives are higher than those received by individual action. To determine if cooperatives give farmers a cost advantage in purchasing supplies over retail cost by individuals. To determine the role of cooperatives in bargaining. (ARK-X-45-2090)	J. A. Gordon Department of Agriculture University of Arkansas at Little Rock Little Rock, AR 72201		6/72-6/77	Cooperatives
3.09	ECONOMIC DEVELOPMENT OF THE EASTERN SHORE OF VIRGINIA. To appraise the potential for economic development by: (1) describing physical and economic input-output relationships of agriculture and agribusiness; (2) collecting and modifying the input-output coefficient of the seafood, recreation and tourism, and industrial sectors; (3) constructing a model to evaluate alternative economic plans. (VA-616155)	B. E. Kenyon R. L. Chambliss, Jr. R. C. Kline Department of Agricultural Economics Virginia Polytechnic Institute and State University Blacksburg, VA 24061		2/71-2/74	Seafood, tourism, industry, agribusiness

3.09

ESTIMATES OF RELATIONSHIPS AMONG SECTORS OF MISSISSIPPI'S ECONOMY. To estimate output, income, and employment multipliers for the Mississippi economy. To assess the accuracy of estimated multipliers by alternative prediction methods. To estimate changes in coefficients since 1948 to adjust current estimates for likely future trends. (MISS-4402)

1/73-2/75

Fred H. Tyner
John E. Waldrop
Department of Agricultural
Economics
Mississippi State University
Mississippi State, MS 39762

Prediction

3.09

THE IMPACT OF AGRICULTURAL AND NONAGRICULTURAL DEVELOPMENTS UPON THE ECONOMIES OF SELECTED RURAL AREAS IN LOUISIANA. To determine for selected geographic areas, the potential for increased agricultural and nonagricultural development, including associated supply, processing, and marketing facilities. To estimate the economic impact of new developments on rural areas or communities in terms of employment, income, business created, larger public tax bases, public services, improved standard of living, and other measures. (LA-1553)

2/71-2/76

L. J. Guedry
Department of Agricultural
Economics and Agribusiness
Louisiana State University
Baton Rouge, LA 70803

Low income,
marketing

3.09

INCOME INEQUALITY AND ITS RELATIONSHIP TO COMMUNITY STRUCTURE AND COMMUNITY INTERACTIONS. To determine variation and change and their sources in income inequality among 96 Census County Divisions of North Alabama. To develop a typology of low-income communities in the 13-county study area. To lay the foundation for subsequent systematic study of the relationship between contrasting levels of income inequality and associated socioeconomic structure. (ALA-X-PR-0003-1-73)

3/73-3/78

G. C. Wheelock
Department of Agricultural
Education
Alabama Agricultural and
Mechanical College
Normal, AL 35762

Income

3.09

INTERINDUSTRY ANALYSIS OF THE ECONOMY OF TEXAS: EMPHASIZING THE REGIONAL ECONOMY OF NORTHEAST TEXAS. To estimate the structure of the economy of Northeast Texas and the state. To estimate the demand for basic factors of production. To estimate the relationships between regions and between agricultural and

6/70-6/74

John W. Adams
Lonnie L. Jones
Ray L. Prewett
Department of Agricultural
Economics and Sociology
Texas A & M University
College Station, TX 77843

Market
inter-
dependency,
regional
economy

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS PERFORMING ORGANIZATION ADDRESS	PERFORMANCE PERIOD	KEY WORDS
3.09	agribusiness sectors and the rest of the regional economy. (TEX-1768)			
3.09	THE MAGNITUDE AND SIGNIFICANCE OF RURAL FARM LABOR IN A CHANGING ECONOMY. To determine the presence or absence of surplus or underemployed farm laborers in Georgia. To evaluate off-farm employment opportunities for farm people. To evaluate possibilities for rural economic growth. (GA-1071)	W. W. Harper Department of Agricultural Economics University of Georgia Athens, GA 30601	7/69-6/72	Farm labor
3.09	MIGRANT LABOR IN THE SOUTHERN COASTAL PLAIN OF SOUTH CAROLINA. (SC-00003)	S. R. Londhe South Carolina State College Orangeburg, SC 29115	6/69-6/74	Migrants
3.09	PLANNING FOR ECONOMIC GROWTH AND RESOURCE MANAGEMENT. To develop and use quantitative models to evaluate impacts of alternative development and resource management programs on economic, demographic, institutional, environmental, and natural resource attributes of multicounty areas. (FLA-AS-01628)	J. R. Conner B. R. Eddleman Department of Food and Resource Economics University of Florida Gainesville, FL 32601	8/72-	Economics, demography, environment, natural resources
3.09	PROCESSES OF RURAL ECONOMIC CHANGE IN THE NORTHEAST. To inventory and classify non-metropolitan areas for changing levels and structure of economic activity. To determine processes by which rural development change occurs and to assess area's viability in terms of resources. To indicate probable direction of future economic changes. To evaluate effects of institutional changes and policy on rural economic change. (VA-626179)	Burl F. Long Department of Agricultural Economics Virginia Polytechnic Institute and State University Blacksburg, VA 24061	7/71-6/76	Economic change

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS			PERFORMANCE PERIOD	KEY WORDS
		ADDRESS	PERFORMING ORGANIZATION			
3.10	ECONOMIC IMPACT OF PROPERTY TAXES ON AGRICULTURAL LAND USE IN GEORGIA. To determine effects of (1) relative burden and benefits of property taxes between urban and rural residents of Georgia; (2) impact of changes in property taxes on resource use in agriculture; (3) impact of property taxes on rate of planting of new forests and cutting existing timber. To provide recommendations for alternative tax schemes. (GA-H-434)	R. E. Yver Department of Agricultural Economics University of Georgia Athens, GA 30601		3/71-6/74	Tax burden	
3.10	THE EFFECTS OF SELECTED CHANGES IN THE REAL PROPERTY TAX SYSTEM ON AGRICULTURAL LAND USE AND TAX REVENUES IN SOUTH CAROLINA. To estimate and compare the effects of real property taxation on agricultural land use in three counties typical of three types of farming under three assessment systems: (1) market value before assessment, (2) market value after reassessment, and (3) preferential assessment of agricultural land on a use-value basis. Specific objectives are to estimate effects of the three assessment systems on net farm income, movement of land out of agriculture, and to estimate shift of real property tax from farmers to other classes of taxpayers. (SC-00986)	W. L. Golden B. L. Dillman T. A. Burch Department of Agricultural Economics and Rural Sociology Clemson University Clemson, SC 29631		7/71-6/73	Property tax	

3.09	REGIONAL ANALYSIS FOR RURAL DEVELOPMENT. To design economic models for evaluating alternative production and marketing opportunities and interindustry and interregional relationships. To develop basic input-output data by region for analysis of alternative enterprises in farming and agribusiness. To determine capital investment required to obtain specified levels of economic growth and employment. (GA-3-440)	B. R. Miller L. H. Davis Department of Agricultural Economics University of Georgia Athens, GA 30601	6/69-6/74	Regional analysis, input-output
3.09	SOCIOECONOMIC CHARACTERISTICS OF RURAL DEVELOPMENT AREAS IN TENNESSEE. To provide data on economic base potential for public and private investment, industrialization, residence, and other information needed by individuals and groups involved in rural development programs in the state. (TENN-H-329)	S. Darrell Mundy Department of Agricultural Economics and Rural Sociology University of Tennessee Knoxville, TN 37616	2/71-	Investment, industrialization
3.10	Major Area: ECONOMIC DEVELOPMENT	Minor Area: INCOME AND EMPLOYMENT EFFECTS OF TAXATION AND REGULATIONS		
3.10	ALTERNATIVE METHODS OF FUNDING PUBLIC SERVICES IN RURAL AREAS OF MISSISSIPPI. To enumerate and analyze present tax policies and procedures by level of government in Mississippi in terms of: (1) relation of the taxpayer to the beneficiary, (2) administrative cost, (3) taxes collected, and (4) the use of tax revenues. To estimate impact of selected taxes on economic activity in rural areas. To evaluate alternative tax plans in terms of revenues, costs, and economic impact. (MISS-4009)	Fred H. Tyner Department of Agricultural Economics Mississippi State University Mississippi State, MS 39762	4/73-12/75	Public services

3.11	Major Area: ECONOMIC DEVELOPMENT	Minor Area: MISCELLANEOUS AND UNCLASSIFIED	4/73-1/99	Employment, income
3.11	IMPROVING THE INCOME AND EMPLOYMENT STATUS OF DISADVANTAGED RURAL PEOPLE. To develop relevant research knowledge to improve income and employment status of disadvantaged rural people in the 10 counties of Southeast Arkansas. (ARK-X-PR-0006)	O. R. Holiday Department of Agriculture University of Arkansas at Pine Bluff Pine Bluff, AR 71601	4/73-1/99	Employment, income

MATRIX NUMBER	PROJECT TITLE		RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
	ABSTRACT	PROJECT NUMBER	PERFORMING ORGANIZATION ADDRESS	Minor Area: CONSERVATION		
4.01	Major Area: ENVIRONMENTAL IMPROVEMENT					
4.01	AGRICULTURAL WASTE MANAGEMENT AND ENVIRONMENTAL QUALITY, PHASE I. To study the effects of valuable application rates, time, and frequency of application of animal waste, and treatment system effluents (lagoon) on soil-crop systems, in order to determine optimum and maximum loading rate consistent with plant growth without adversely affecting quality of surface and ground water. Evaluate extent of the recycling of animal waste and treatment systems effluents through the soil-plant system. Characterize selected soils in regard to their potential as animal waste disposal systems. (NC-X-PR-0006-309-12)		I. Ruffin Department of Plant Science Agricultural and Technological College of North Carolina Greensboro, NC 27411	5/73-5/78	Waste management, water quality, recycling	
4.01	DREDGE AND FILL EFFECTS ON MARSH SOILS AND MARINE ORGANISMS. To study effects of dredge and fill operations on soils and marine organisms of the marsh. Investigate populations of economically important marine species in relation to marsh soils. Study correlation between essential elements in marine organisms and soils. Study of presence of pollutants in marsh and methods for their abatement and investigations of the marsh productivity and methods for increasing H. (FLA-X-PR-0002-01588)		C. L. Coultas C. B. Subrahmanyam Department of Earth and Plant Science Florida Agricultural and Mechanical University Tallahassee, FL 32307	4/74-1/77	Marine life, soils, pollutants	
4.01	EFFECTS OF DOMESTIC, AGRICULTURAL, INDUSTRIAL, AND SOIL POLLUTION ON SELECTED POND ECOSYSTEMS. Make quantitative and qualitative laboratory and field studies of pollution from various sources in selected pond ecosystems and		E. Marrow Department of Biology Agricultural and Technological College of North Carolina Greensboro, NC 27411	4/74-5/78	Agriculture, pollutants	

determine effects of this pollutant on the plant and animal life of ponds reflected in changes that occur over a 5-year period.
(NC-X-PR-0006-309-12)

4.01

HEAVY-METAL POLLUTION OF SOILS EFFECTS ON AGRICULTURAL PRODUCE OF AREAS ADJACENT TO URBAN CENTERS. To determine pH and concentration of As, Pb, Cd, Zn, and Hg in soil, farm ponds, and domestic water supplies in rural areas in proximity to large urban centers during periods of the year, determine the concentration of the elements in crops taken from soil under intensive agriculture near urban centers. Develop methods by which these elements can be made available to the plant or immobilized in the soil.
(TEX-X-PR-0001)

E. Brams

Prairie View A & M College
Prairie View, TX 77445

4/74-6/78

Heavy metals, crops, ponds

0071

4.01

THE INFLUENCE OF HERBICIDES ON SOIL AND WATER QUALITY. Determine residual effects of atrazine, trifluralin and dalapon when used at recommended and excessive rates. Determine if rate of degradation of these herbicides differs in two soils of different types and drainage patterns. Determine migration of specific herbicides in different soil types. (TENN-PR-0002-34676)

F. E. Westbrook

Department of Plant Science
Tennessee Agricultural and
Industrial State University
Nashville, TN 37203

4/74-8/77

Herbicides, soils

4.02

Major Area: ENVIRONMENTAL IMPROVEMENT

Minor Area: RECREATION

4.02

No research resumes available.

MATRIX NUMBER	PROJECT TITLE ABSTRACT PROJECT NUMBER	RESEARCHERS		PERFORMANCE PERIOD	KEY WORDS
		PERFORMING ORGANIZATION ADDRESS	Minor Area: FORESTS AND WILDLIFE		
4.03	Major Area: ENVIRONMENTAL IMPROVEMENT				
4.03	ECOLOGY, DISTRIBUTION AND ECONOMIC USE IN NORTHERN FLORIDA AS FISH BAIT OF HEXAGENIA MUNDA EATON. (FLA-04087)	W. L. Peters Department of Animal Science Florida Agricultural and Mechanical University Tallahassee, FL 32307	4/74-6/77	Fishing	
4.03	ENVIRONMENTAL EFFECTS ON PRODUCTIVITY OF CRAYFISH IN POND HABITATS, PHASE I. To determine types of vegetation found in natural disturbed and pond habitats. Determine influence of associated animals on productivity. Determine water quality in these habitats. (LA-X-PR-0002-8-15-0)	L. R. Roddy C. E. Davis Department of Biology Southern University Baton Rouge, LA 70813	4/74-4/77	Fishing, pond habitats	
4.03	ENVIRONMENTAL EFFECTS ON PRODUCTIVITY OF CRAYFISH IN POND HABITATS, PHASE II. To determine difference in egg production in natural disturbed and pond habitats. Determine productivity of crayfish by trapping. Determine by burrow counts the productivity of crayfish in natural, disturbed and pond habitats. (LA-X-PR-0002-8-15-5)	L. R. Roddy C. E. Davis Department of Biology Southern University Baton Rouge, LA 70813	4/74-11/74	Fishing, pond habitats	
4.04	Major Area: ENVIRONMENTAL IMPROVEMENT				
4.04	No research resumes available.				

Minor Area: LAND USE AND ZONING

4.05	Major Area: ENVIRONMENTAL IMPROVEMENT	Minor Area: BEAUTIFICATION
4.05	DETERMINATION OF ESTHETIC ORNAMENTATION FOR HOME GROUNDS OF LOW- AND MODERATE-INCOME FAMILIES. To study hardiness of ornamental plants which have landscape possibilities and study ways of implementing low-cost plant material indigenous to middle Tennessee into esthetic home grounds composition. (TENN-X-PR-0003-34586)	N. McAlpin Department of Home Economics Tennessee Agricultural and Industrial State University Nashville, TN 37203 4/74-4/77 Plants
4.06	Major Area: ENVIRONMENTAL IMPROVEMENT	Minor Area: MISCELLANEOUS AND UNCLASSIFIED

No research resumes available